# SAMPLE QUESTION PAPER HOME SCIENCE

HIGHER SECONDARY



GOVERNMENT OF KERALA
GENERAL EDUCATION DEPARTMENT

STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (SCERT)
Poojappura, Thiruvananthapuram



# Guidelines for the preparation of question paper

- 1. Question paper may be prepared in accordance with the design and blue print so as to ensure fair distribution of Curriculum Objectives/ content areas and types of questions.
- 2. Question should be based on the Curriculum Objectives.
- 3. Curriculum Objectives can be clubbed or can be split into shorter chunks, whenever necessary, for framing questions.
- 4. Questions for assessing higher order mental processes should be framed, focusing on the ability to apply, analyse, evaluate and think creatively.
- 5. Different types of questions objective type, short answer type, essay type etc., shall be included in the question paper.
- 6. There need not be separate sections in the question paper for different types of questions.
- 7. Questions that test mere recalling and rote learning shall be avoided.
- 8. A fair distribution of open-ended questions shall be included to promote divergent and creative thinking.
- 9. Question texts and the directions given shall be simple, clear and comprehensive.
- 10. Objective type questions should aim at testing higher order mental processes.
- 11. There shall not be a rigid pattern regarding the type of questions, number of questions and order of questions.
- 12. Questions shall be life-related
- 13. Questions shall be in accordance with the learning activities.
- 14. Care shall be taken to avoid gender bias, communal sentiments etc. in the questions framed.
- 15. Adequate hints for answering the questions shall be given, wherever necessary.
- 16. Choice of questions may be given only upto a maximum of 20% of the total score. While giving the choice, due attention shall be given to select the same content area/ curriculum objective, scores, mental processes involved etc.

- 17. The duration of the examination will be 2 hrs for subjects having 60 scores and  $2^{1}/_{2}$  hrs for those having 80 scores, in addition to the *cool off time* for 15 mts.
- 18. Question paper shall be bilingual (English and Malayalam) except in languages. Technical terms can be transliterated wherever necessary.
- 19. Scores for objective type questions shall not exceed 20% of the total score.
- 20. Maximum score for a question shall not exceed 10% of the total score. However in Botany and Zoology a maximum of 5 score can be given to a question. Fractions may be avoided.
- 21. All questions should have an entry level, so that all learners who have undergone the learning process can get the minimum score. However, the possibility of applying higher order mental process, considering the different levels of the learners shall be taken into account.
- 22. Score should be noted in the question paper against each question and word limit may be specified wherever necessary.
- 23. Score shall be given to a question in accordance with the mental processes involved in answering it.
- 24. The possibility of using a single question text as the question text for other questions can be explored.
- 25. While setting a question paper, the time allocation shall be in accordance with the time for reading the questions and thinking, planning and writing time of the answer.



## **Guidelines for the Scoring Indicators**

- 1. Scoring indicators should reflect the mental processes involved in answering that question.
- 2. Concepts to be evaluated should be clear and specific.
- 3. Scoring key for open-ended questions shall give due consideration to a fairly wide range of possible responses. It may include sequencing of ideas, relevance, originality, creativity, level of thinking, presentation etc.
- 4. The scoring key should indicate the split up scores for the essential lower order mental processes and the higher order mental processes involved in the answer.
- 5. Reasonable split up may be given for the scores.
- 6. While evaluating the ability to express the knowledge constructed by the learner, limitations in language shall be ignored.



### **Mental Process**

- 1 Retrieves/recollects /retells information
- 2 Readily makes connections to new information based on past experience and formulates initial ideas/ concepts.
- 3 Detects similarities and differences
- 4 Classifies/categories/ organises information appropriately
- 5 Translates/Transfer knowledge/understanding and applies them in new situations
- 6 Establishes cause- effect relationship
- 7 Makes connection/ relates prior knowledge to new information/applies reasoning and draw inferences.
- 8 Communicates knowledge/understanding through different media
- 9 Imagines/ fantasises/designs/predicts based on received information.
- 10 Judges/appraises/evaluates the merits or demerits of an idea/ develops own solutions to a problem.



### **Curriculum Objectives**

- 1 To understand the meaning and types of immunity through discussion assignment etc. Prepare chart and present.
- 2 To develop an understanding about the relationship between immunity and breast feeding through discussion symposium, assignments etc.
- 3 Develop awareness about immunization through general discussion.
- 4 Understand the childhood diseases preventable by immunization through observation, discussion, seminar etc.
- 5 Familiarise the immunization schedule for children through collections of schedule from different health institutions.
- 6 Understand the meaning and classification of children with special needs through observation, general discussion, assignment etc.
- 7 Understand the meaning, measurement, characteristics & education of gifted children through discussion, seminar etc.
- 8 Develop a clear understanding about the meaning, classification, characteristics & causes of mentally challenged children through filed trips and discussion.
- 9 Develop awareness about the meaning, measurement, characteristics, causes and educational needs of visually impaired children through discussion, observation, visiting special schools etc.
- 10 Understand the definition, characteristics, causes and rehabilitation of juvenile delinquents through brainstorming, panel discussion etc.
- 11 Develop an understanding about the meaning, importance and objectives of preschool education through brain storming, symposium etc.
- 12 Classify the types of pre-school through observation, general discussion etc.
- 13 Identifies the activities to be included in the daily programme of a pre-school through brainstorming, field visit, discussion, problem solving etc. Prepare specimen daily programme.
- 14 Understand the meaning, problems and causes of population explosion through buzz session, general discussion, reference wrok etc.
- 15 Comprehend the meaning, importance and objectives of population education through discussion and reference work.

- Analyse the status of women child in the present society through general discussion, debate etc.
- 16. Develop a clear understanding about the preventive measures of population explosion through discussion, reference book etc.
- 17. Develop a clear idea about the terms balanced diets, meal planning its meaning, importance and factors influencing through discussion, assignments etc.
- 18. Gain knowledge about the RDA of nutrients recommended by ICMR by referring books or printed materials published by ICMR.
- 19. Develop practical skill in planning for normal diets through group discussion, simple lab work etc.
- 20. Develop an understanding about the dietary modifications needed during physiological changes like pregnancy, lactation etc. through group discussion, brain storming, simple lab work etc.
- 21. Understand the meaning and importance of diet modification and its types through general and group discussions.
- 22. Develops the ability to plan and modify the diets during disease conditions like fever, diarrhoea and hypertension through reference, discussion, lab work etc.
- 23. Familiarise the micro-organisms which bring about changes in food through general discussion, reference work, assignment etc.
- 24. Understands the meaning importance and principles of food preservation through group discussion, seminar, lab work etc.
- 25. Develops an understanding about the meaning of adulteration and adulterants present in various food stuffs through observation, simple lab work, sample collection, discussion etc.
- 26. Develop an awareness about the health hazards due to adulterants through discussion, seminar etc.
- 27. Collects information regarding the various food laws and standards through discussion, assignment etc.
- 28. Identifies and distinguishes types and requisites of a good design through observation, discussion etc.
- 29. Familiarise the different elements and principle of design through observation, group discussion, album preparation etc.
- 30. Identifies and differentiate colours as primary, secondary intermediate and natural through observation, lab work etc.
- 31. Develops an understanding about the different qualities of colours like hue, value and intensity and prang colour chart through discussion, demonstration etc.
- 32. Categorise colours into different schemes like related and contrasting through discussion, lab work etc.

#### HIGHER SECONDARY- SAMPLE QUESTION

- 33. Develops an understanding about the different curtain styles through observation, collection of pictures etc.
- 34. Familiarises the styles in flower arrangement through observation, discussion, demonstration etc.
- 35. Understand the meaning of consumers and problems faced by consumers through discussion, project etc.
- 36. Identify the different consumer aids through observation, group discussion, collection of samples etc.
- 37. Develop clear idea about the importance and types of fabric finishes through observation, discussion, paper presentation etc.
- 38. Develops an idea about the application of finishes through discussion, seminar etc.
- 39. Acquires clear understanding about dyeing and types of dyes through discussion, reference work, field trips etc.
- 40. Understand different methods of dyeing through discussion, field trip etc.
- 41. Develops an understanding about printing its meaning and types through discussion, seminar lab work etc.
- 42. Develop an understanding about the application of elements and principles of design in dress for correcting problem figures through observation, assignment, panel discussion etc.
- 43. Develop a clear understanding about the basic and embroidery stitches through discussion, practical work etc.
- 44. Develops an understanding about the meaning and types of mending through observation, practical work etc.
- 45. Develop a clear understanding about stain removal, types of stains, reagents used and methods of stain removal through discussion, demonstration, simple lab work, seminars etc.



# Design of the Question Paper

### WEIGHTG TO CONTENT/CO

		Type of questions							
Sl. No	Content/CO CO.No. No.of questi		No.of questions	Score	%Score				
1	Human Development	1-16	6	16	27				
2	Food and Nutrition	17-28	5	16	27				
3	Family Resource Management	29-36	5	15	25				
4	Textile and Clothing	37-45	5	13	21				
	Total			60	100				
			20						

### WEIGHTAGE TO TYPES OF QUESTIONS

Sl. No.	Type of Questions	No. of Quuestions	Score	%Score
1	Objectives	9	9	15
2	Short Answer	9	33	55
3	Essay	3	18	30
	Total		60	100

### **BLUE PRINT**

			Type of	questions	<u> </u>	
Unit  1 2 3 4	Content Area	Co. No	Objective Type	Short Answer	Essay	Total
1	Human Development	1-16	1(3)	4(1) 3(1)	6(1)	16
2	Food and Nutrition	17-28	1(2)	4(2)	6(1)	16
3	Family and Resource Management	29-36	1(1)	4(2) 3(2)		15
4	Textiles and Clothing	37-45	1(3)	4 <sup>(1)</sup>	6(1)	13
	Total		9	33	18	60
		5				
	5					
	May.					
	4					

# HIGHER SECONDARY COURSE SAMPLE QUESTION PAPER

### **HOME SCIENCE**

Std. XII

Total Score: 60 Time 2 Hrs

#### **INSTRUCTIONS**

- 1 Read questions carefully before answering the questions.
- 2 Maximum time allowed is 2 hours 15 minutes, including cool off time.
- First 15 minute is cool off time during which you should not answer the questions. This time is meant to read the questions carefully.
- While visiting a special school for exceptional children you have observed that a child having the following characteristics.
  - 1. Extreme dependency
  - 2. Difficulty to shift from one activity to another
  - 3. Poor social contacts
  - 4. Poor academic performance

"നിങ്ങൾ ഒരു സ്പെഷ്യൽ സ്കൂൾ സന്ദർശിക്കുന്ന അവസരത്തിൽ താഴെപ്പറയുന്ന പ്രത്യേകതകൾ ഉള്ള കുട്ടികളെ കണ്ടാൽ അവരെ ഏത് വിഭാഗത്തിൽ ഉൾപ്പെടുത്തും? (1)

2 A Sample menu for a pregnant lady is given below. Modify the menu according to her daily requirements. Give any two reasons to support your modification.

### Sample Menu

Morning Tea - Black Coffee

Break fast - Bread, Milk

Lunch - Veg. rice, Salad

Dinner - Chapathi, Potato stew.

ഒരു ഗർഭിണിയുടെ ഭക്ഷണക്രമം തന്നിരിക്കുന്നു. അവരുടെ ദൈനംദിന ആവശ്യകത അനുസരിച്ച് ഇതിൽ വേണ്ട മാറ്റങ്ങൾ വരുത്തുക. നിങ്ങളുടെ ക്രമീകരണം ഇപ്രകാരമാകാനുള്ള രണ്ട് കാരണ ങ്ങൾ എഴുതുക.

3 Purple : Yellow

Green: ? Why?  $(\frac{1}{2} \times \frac{1}{2} = 1)$ 

4 Dyeing cotton clothes looks more attractive than other fabrics. Give reason.

Which dyeing method you would prefer while dyeing a bedsheet?

Prepare a chart showing the steps to be followed while dyeing bedsheet according to your choice.

### HIGHER SECONDARY- SAMPLE QUESTION

ഡൈ ചെയ്ത കോട്ടൺ തുണികൾ മറ്റ് തുണികളെക്കാൾ ഭംഗിയുള്ളതാകാൻ കാരണമെന്ത് ഒരു കിടക്കവിരിയിൽ പ്രിന്റ് ചെയ്യാൻ നിങ്ങൾ ഏതു മാർഗ്ഗമാണ് സ്വീകരിക്കുക. ഒരു ചാർട്ടിലൂടെ വ്യക്ത മാക്കുക.

5 Find out the odd one out. Give reason.

Blind, deaf, gifted, delinquent

(2)

When you purchase any item, there may be a lable containing certain informations. A sample of a medical label is given below. With reference to that prepare an ideal label for a food product.

ഒരു മെഡിക്കൽ ലേബൽ താഴെകൊടുത്തിരിക്കുന്നു. അത് ശ്രദ്ധാപൂർവ്വം പരിശോധിച്ച് ഒരു ഫുഡ് പ്രോഡക്ടിന്റെ ലേബൽ തയാറാക്കുക. (4)

### **Cough Syrup**



Ingrediants : HexamethyDichloride

Protein : 49

Calcium : 4mg

Iron : 2 mg

Dosage : 1 teaspoon use under medical

prescription

Dosage : 1 teaspoon use under medical prescription

Mfd : 1.1.06

1.10.07

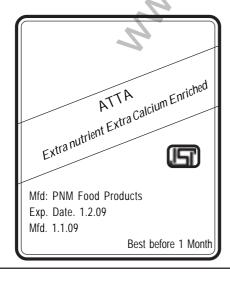
Licence no TAYS PHARMA

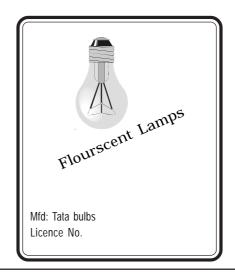
Exp

OR

Compare the following labels and note down the merits and demerits of each label.

താഴെകാണുന്ന ലേബൽ താരതമും ചെയ്ത് ഗുണദോഷങ്ങൾ രേഖപ്പെടുത്തുക.





7 Do you think that immunization programme organised by the Govt. become a great success. Write your opinion with valid arguments.

ഗവൺമെന്റ് ഏർപ്പെടുത്തിയിരിക്കുന്ന പ്രതിരോധ കുത്തിവെയ്പുകൾ വൻ വിജയമായിരിക്കുന്നു. നിങ്ങളുടെ അഭിപ്രായം കാര്യകാരണ സഹിതം രേഖപ്പെടുത്തുക. (3)

8 Sajan a 17 years old boy lives in a slum area. His father always quarelling with his mother. Sajan usually watch violent movies and often snatch food items from other students. Can you say, what kind of behaviour problem he may develop from such circumstances? How can you help him? Trace out the other situations around him that may lead to develop such behavioural problem.

17 വയസ്സുള്ള സാജൻ ഒരു ചേരി പ്രദേശത്ത് താമസിക്കുന്നു. അവന്റെ അച്ഛൻ എപ്പോഴും അമ്മയു മായിട്ട് വഴക്കാണ്.അവൻ പതിവായി Violent movies കാണാറുണ്ട്. എന്തു സ്വഭാവ വൈകല്യമാണ് അവനുണ്ടായിട്ടുള്ളത്. സ്വഭാവ വൈകല്യത്തിനുണ്ടായ കാരണങ്ങളും അവനെ എങ്ങനെ ഇതിൽ നിന്നും രക്ഷിക്കാമെന്നും എഴുതുക.

9 Observe the following table. Complete the table by adding appropriate food stuffs or appropriate preservation methods.

താഴെകാണിച്ചിരിക്കുന്ന ടേബിൾ പരിശോധിച്ച ശേഷം വിട്ടുപോയിരിക്കുന്ന കോളങ്ങൾ അനു യോജ്യമായ food Item അല്ലെങ്കിൽ Preservative Method എഴുതി പൂരിപ്പിക്കുക. (6)

	4							
FoodStuffs	Methods of Prse							
Chillie								
	Picking	Sun drying Sun drying						
Tapioca	<i>'</i> O',							
Meat & Poultry	W)							
Jack fruit	Squashes	Jams	Jellies					

OR

State the Importance of adopting the principles of food preservation in a canning industry.

(6)

10 In Kerala the number of diabetic patients are increasing day by day. Our changing life style and dietary pattern has an important role in it. Justify.

ഇന്ന് കേരളത്തിൽ ഡയബറ്റിക്ക് രോഗികളുടെ എണ്ണം വളരെയധികം കൂടിക്കൊണ്ടിരിക്കുന്നു. നമ്മുടെ ഭക്ഷണക്രമവും ജീവിതരീതിയും ഇതിനെ സ്വാധീനിക്കുന്നു. നിങ്ങളുടെ അഭിപ്രായത്തെ ഉത്ത രത്തെ ന്യായീകരിക്കുക.

11 Suggest any two ways of creating balance, harmony and rhythm in a dress with illustrations.

ഒരു ഡ്രസ്സ്-ൽ balance,harmony, rhythm ഇവ എപ്രകാരം Apply ചെയ്യാമെന്ന് ചിത്രത്തിന്റെ സഹായത്തോടെ വിശദീകരിക്കുക. (6) OR

Line is the most important part in a design. Different lines can create different illusions, in a dress. Prove it with suitable diagrams. (6)

- 12 Population explosion is a serious problem faced by our country. Do you agree with this? Suppose if you are a social worker what steps will you take to educate the rural people, about the after effects of population explosion?
  - നമ്മുടെ രാജ്യം അഭിമൂഖീകരിക്കുന്ന ഒരു പ്രധാനപ്പെട്ട പ്രശ്നമാണ് ജനസംഖ്യാവർദ്ധനവ്. ഒരു സോഷ്യൽ വർക്കർ എന്ന നിലയിൽ ജനസംഖ്യാവർദ്ധനവിനെപ്പറ്റിയും അതിന്റെ after effect നെപറ്റിയും ജനങ്ങളെ ബോധവാൻമാരാക്കാൻ നിങ്ങൾ എന്തു മാർഗ്ഗം സ്വീകരിക്കും. (4)
- During monthly check up the doctor adviced to a pregnant lady about her nutritional needs druing this period. He adviced to include all vegetables, fruits and other nutritive food stuffs except fat. Why did he said not to include fat?

പതിവിലുള്ള Monthly check നു ശേഷം ഡോക്ടർ Pregnant lady യോട് അവരുടെ പോഷകത്തെ കുറിച്ച് പറഞ്ഞു. എല്ലാത്തരം പഴങ്ങളും പച്ചക്കറികളും എന്നും കഴിക്കണമെന്നും കൊഴുപ്പ് ഒഴിവാക്കണമെന്നും പറഞ്ഞു. കൊഴുപ്പ് ഒഴിവാക്കണമെന്ന് പറയാനുണ്ടായ കാരണം വ്യക്തമാക്കുക. (1)

**(4)** 

- 14 Fill the cross word.
  - a. Law of relationship (across)
  - b. Lightness or darkness of a colour (across)
  - c. Feel of the hand (across)
  - d. Form and Shape (down)

- Suggest certain styles in a dress for a girl having short neck and heavy arms. 15 (1)
- 16 Draw and explain a flower arrangement following the principles of Japanese flower arrangement ജാപ്പനീസ് Flower Arrangements ന്റെ പ്രിൻസിപ്പിൾസ് അനുസരിച്ച് ഒരു Flower Arrangement ചിത്രീകരിച്ച് വിശദമാക്കുക.
- ght.

  if canous of the control of th Ram found that the onion he had bought were underweight. Enumerate ways the grocer may have cheated him.

താൻ വാങ്ങിച്ച ഉള്ളിക്ക് തൂക്കക്കുറവുള്ളതായി രാമന് ബോധ്യപ്പെട്ടു. ഏതെല്ലാം രീതിയിലാകാം കടയുടമ രാമനെ കബളിപ്പിച്ചത്.

### SCORING INDICATORS

Qn. No.		Scoring Ind	licators			Score	Total Score			
1	Mentaly Retard	ed children				1	1			
2.	Modification Reasons: Ill bal Provide all the A pregnant mot calcium etc. All vitamins an	necessary nu her's diet sho	ould be rich	-	tein,	1	5			
3	Green : Red Purple and yellowheel Like wise green		· ·	•		1/2	1			
4		·	rt	Ś	ting colour	1 1 2 2	6			
5		Gifted The other groups show -ve deviation in their development- where as gifted shows +ve deviation in their development								
6	b. Comparison	a. Content preparation, Clarity								
7	How Govt.	Points should include  • How Govt. has succeeded in the irradication of polio  • Latest vaccines introduced by Govt.								
8	Delinquent beh Listing of cause	Delinquent behaviour Listing of causes Suggesting ways to help him								
9	a.  Food stuff Chillie Raw Mango Tapioca Meat & Poultry Orange Jack Fruit	Method of Sundrying Pickling Sundrying Freezing Squashes Drying	of food preserv Salting Sundrying - Jams -	ation Pickling Jam Jellies -						
	Any other valid	methods can	be scored	1 score for	each row		6			

Qn. No.	Scoring Indicators	Score	Total Score
	b. Points may include Keeping out micro organisms Hindering the growth of microbes Killing microbes	6	6
10.	Points should include  Changing life styles that influence in meal planning  Health conditions- importance of exercise  Selection of food stuffs  Factors that lead to diabetics	1 1 1 1	4
11.a)	A balanced dress gives a look of stability and harmony Balance can be achieved in 3 ways formal, informal and radical illustrations Harmony- is created when all points of a design are related and one used to express a single concept or theme illustration Rhythem- a pleasing sense of organised movement that	2 2	
b)	gives continuity to a design. Achieved by repetition, gradation, radiation, continuous flowing of lines Different lines can create different illusions. There are certain types of lines like straight and curved. Straight lines can be vertical, horizontal and diagonal.	2	6
	Write the effects of using different lines in different situations Diagrams and Findings	3 3	6
12.	Find out the causes of population explosion	2	
13.	Preventive measures of population explosion  Foetal tissue contain phospho lipids that will meet the requirements of both mother and the child	1	1
14	S I V A L U E H P R O P O R T I O N U T E X T U R E T E		
	(One Score for each row and column)	4	4

1½ 1½ 2 1 1 1 1 1	3 3 60
2 1 1 1	3
1 1 1	3
1	
	60

### QUESTION WISE ANALYSIS

Sl. No	со	Content Area	Area Mental Process		Score	Total Score	Time
1	8	Human Development	1,3,6	Objective	1	1	1 Minutes
2	20	Food and Nutrition	2,5,10	Objective Short Answer	1 4	5	6 Minutes
3	30	FRM	3,4,7	Objective	½ X½	1	1Minutes
4	39,41	Textiles & Clothing	5,9,10	Objective 1 Objective 1 Short Answer 4		6	12Minutes
5	7,9,10	Human Development	1,5,7	Short Answer	4		2Minutes
				Objective Objective	1 1	6	
6	35	FRM	3,4,7,10	Short Answer	4	4	8minutes
7	3	Human Development	5,7,10	Short Answer	3	3	10minutes
8	10	Human Development	1,7,9,10	Essay	6	6	15 minute
9	24	Food & Nutrition *Food & Nutrition	6,7,9,10	Essay Essay	3 3	6	15Minutes
10	21	Food & Nutrition	5,7	Short Answer	4	4	10Minutes
11	29	Textiles& Clothing	7,9,10	Essay	6	6	15Minutes
12	15	Human Development	1,5,8,10	Essay	4	4	8Minutes
13	20	Food and Nutrition	1,6,10	Objective	1	1	11Minutes
14	28,29	FRM	3,7,10	Short Answer	4	4	8Minutes
15	42	Textiles& Clothing	7,10	Objective	1	1	2Minutes
16	34	FRM	2,5,7	Short Answer	3	3	5Minutes
17	35	FRM	1,5	Short Answer	3	3	5Minutes
						60	

### ANALYSIS OF MENTAL PROCESS

Qn. No	со	1	2	3	4	5	6	7	8	9	10	11	12	13
1		<b>✓</b>		<b>✓</b>			<b>✓</b>							
2			✓			✓					<b>√</b>			
3				✓	✓			✓						
4						✓					<b>√</b>			
5		✓				✓		✓						
6				✓	✓			<b>✓</b>	•	)	✓			
7						✓		<b>✓</b>	0		✓			
8		✓						1		✓	✓			
9								<b>✓</b>		✓	✓			
10						. <	<b>)</b>	✓		✓	✓			
11						5		✓		✓	✓			
12		✓			C	/			<b>✓</b>		<b>✓</b>			
13		✓		>	3		✓				✓			
14				V	,			<b>✓</b>			<b>✓</b>			
15			C					✓			<b>√</b>			
16			<b>V</b> +			✓		✓						
17		X				✓								