

SAMPLE QUESTION PAPER

Question Paper Design

Subject : Home Science

Class: Senior Secondary

Paper: Theory(80%) Practical(20%)

Maximum Marks: 100

Time: 3 hrs.

1. Weightage by Objectives

Objective	K	U	A	Total
Percentage of marks	25%	45%	30%	100%
			20% (A)+10%(S)	

2. Weightage to form of questions

Total no. of questions	26 (core modules-22 +optional modules-4)			
Forms of questions	LA	SA	VSA	OBJ
Marks		6	4	2
				1

3. Distribution of marks

CORE MODULE		OPTIONAL MODULE	
1 x 4 =	4		
2 x 7 =	14	2 x 2 =	4
4 x 8 =	32	4 x 2 =	8
6 x 3 =	18		
22	68	4	12

4. Time allocation

Total time	180 minutes
LA (6 marks)	30 minutes
SA (4 marks)	70 minutes
VSA (2 marks)	50 minutes
OBJ (1 mark)	15 minutes
Reading & revision	15 minutes

SAMPLE QUESTION PAPER
HOME SCIENCE (SENIOR SECONDARY)

Maximum Marks : 80

Time: 3 hours

Instructions:

1. All the questions from section A are compulsory.
2. From section B attempt questions of only one Module of your choice.
3. Draw neat clean and labeled diagrams where ever neccessary.

SECTION A

- | | |
|--|---|
| 1. State one word for ability of an eight year old child to arrange things in groups. | 1 |
| 2. Name one harmful effect each of regular smoking and consumption of alcohol. | 1 |
| 3. Identify two distinct characteristics of a child brought up in a nuclear family. | 1 |
| 4. What in your opinion should be the four ethical behaviours expected of an adolescent? | 2 |
| 5. List four points to be kept in mind while storing pulses at home. | 2 |
| 6. State two precautions each while using a pressure cooker and an electric toaster. | 2 |
| 7. Compare the psychological effects of early and late maturation in boys. | 2 |
| 8. Compare the fabric making techniques of denim and socks. Mention one speciality of each. | 2 |
| 9. You have been asked to suggest a suitable fabric for an office-goer. What four important points will influence your selection? | 2 |
| 10. While performing the burning test, which two indicators will help you to identify cotton and synthetic fibers? | 2 |
| 11. List four symptoms you would expect to see in a girl who is suffering from anemia. What is anemia due to and what treatment would you suggest to her? | 4 |
| 12. Use the method of combination to suggest a recipe with enhanced nutrients. State all that is enhanced. | 4 |
| 13. Make a questionnaire (of 10 questions) to check if people in your neighbourhood are degrading their environment. | 4 |
| 14. Classify skills and abilities as resources and point out three important characteristics of these. Explain how other resources can influence their best utilization. | 4 |
| 15. Describe four factors responsible for the difference in growth and development of children. | 4 |

- | | |
|--|---|
| 16. Give two reasons each why children often wet the bed and refuse to eat. | 4 |
| 17. State two reasons why adolescents develop negative relationship with parents and give two suggestions for improving this relationship. | 4 |
| 18. Write any four properties of silk that make it a suitable winter fabric. | 4 |
| 19. Suggest a lunch for a pregnant woman keeping in mind her daily nutritional requirements. Also point out how and why this meal is different from the meal served to a lactating mother. | 6 |
| 20. What is 'consumer movement' and what is its importance? Explain the functions of such a movement. | 6 |
| 21. Compare any six aspects to be kept in mind while selecting a ready made dress for office wear and one for a wedding. | 6 |

SECTION - B

Optional Module - VI A (House Keeping)

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| 22. State four duties of a housekeeper. | 2 |
| 23. Mention four important points to be taken care of in cleaning a room after a guest vacates it. | 2 |
| 24. What three things will you require for a tall flower arrangement and why? Also, state a suitable place in the room for this arrangement. | 4 |
| 25. You have moved into a house where your glass panes are dirty and taps are badly stained. How will you clean all these? | 4 |

Optional Module - VI B (Creative Hand Embroidery)

- | | |
|---|---|
| 22. What colour would you choose for the costume of a witch acting in a school play? State one reason for your selection. | 2 |
| 23. State one point of difference each in the requirement and procedure of transferring a design by using carbon paper and perforated pattern. | 2 |
| 24. Present a plan for embroidering the frock for a three year old girl. Justify your selection of the motif, its placement, colour scheme and embroidery stitches. Also mention four precautions to be taken while making your selections. | 4 |
| 25. What four points will you keep in mind while deciding to embroider your shirt? Why? | 4 |

Marking Scheme

Answer	Value points	Marks
1. Classification		1
2. Regular smoking may lead to cancer of mouth and lungs. Regular consumption of alcohol leads to hardening of arteries leading to a heart attack.	½x2	1
3. The child will be : - self reliant - independent - self-confident - decisive - caring (any two)	½x2	1
4. (i) Curteous and polite (ii) Punctual (iii) Sincere and hard working (iv) Regular	½x4	2
5. (i) Clean the pulse before storing (ii) Make sure that there is no dampness (iii) Store in dry containers (iv) Close the lid lightly	½x4	2
6. Pressure Cooker - See that vent hole is free of blockage - Do not fill more than 3/4 - Do not open till steam has cooled (Any two) Electric Toaster - See that the wire connections are intact and 3 pin plug is attached correctly - Do not touch with wet hands - Switch off the button while not in use or before touching the appliance - Wear shoes while handling electric appliance (Any two)	½x4	2

7.		Value points	Marks
Early Maturation	Late Maturation		
1. Early maturing boys are more confident and satisfied.	1. Late maturing boys feel inferior and unsatisfied.	$\frac{1}{2} \times 4$	2
2. Have greater physical strength and well developed bodies.	2. Lack of physical growth.	$\frac{1}{2} \times 2$	1
3. Chosen as leaders.	3. Are usually followers.		
4. Adult expectations from them are high.	4. Adults expectations are not so high treated as a child.		
Ans.8.			
Denim	Socks	$\frac{1}{2} \times 4$	2
1. Weaving technique, that is, two sets of yarns are interlaced with one another at right angle.	1. Knitting technique, that is yarns are interlooped.		
2. Firm fabric	2. Fabric has lots of stretch.	$\frac{1}{2} \times 4$	2
		$\frac{1}{2} \times 4 = 2$	
Ans.9 (i) Comfortable to wear			
(ii) Easy to care, wrinkle free		$\frac{1}{2} \times 4$	2
(iii) Non-crushable			
(iv) Have good fall			
(v) Inexpensive	$\frac{1}{2} \times 4$		
Ans.10.			
Indicator	Cotton Synthetic		
1. In-flame behaviour	Burns quickly Burns slowly		
2. Removed from flame	Continues burning Stops burning		
3. Odour Burning paper	Smell of chemicals		
4. Residue ash	Light, feathery gray brown beads. Hard, tough black-		
(any two indicators)		$\frac{1}{2} \times 4 = 2$	

		Value points	Marks
11.	<p>Symptoms</p> <ul style="list-style-type: none"> - General weakness - Loss of appetite - Paleness of tongue, white portions of eye and nail beds - Feeling of being pricked - Brittle and spoon shaped nails <p>(any four)</p> <p>Anemia is due to deficiency of iron in daily meals or folic acid and vitamin B₁₂.</p> <p>Treatment:</p> <ul style="list-style-type: none"> - Ask her to eat iron rich foods in her daily meals. - Take iron tables and folic acid 	<p>$\frac{1}{2} \times 2$</p> <p>2</p> <p>1</p>	4
12.	<p>Paushtic roti</p> <p>Cereal - Flour + besan+any other</p> <p>Vegetable - Spinach + onions + grated carrots</p> <p>Paneer (Cheese)</p> <p>Green chilies</p> <p>Salt</p> <p>Knead everything together to form a dough to make roti.</p> <p>Cereals are good source of carbohydrates, proteins, vitamin and minerals; vegetables added are source of calcium and Vitamin A. Paneer is a source of protein.</p> <p>Any other similar recipe e.g. paushtic idli, dhokla or puri</p>	<p>$\frac{1}{2} \times 4$</p> <p>2</p>	4
13.	<ul style="list-style-type: none"> - Do you throw garbage indiscriminately? - Do people spit in the open? - Do you urinate in the open? - Do you defecate in the open? - Is there arrangement of removing garbage everyday? 		4

		Value points	Marks
	<ul style="list-style-type: none"> - If there is a community tap? - Is there arrangement <i>for</i> proper disposal of water? - Are there any open drains? If yes are they kept clean? - Do you keep coolers dry when not in use? - Do you take care that there are no places holding stagnated water? - Do you play music too loud, day and night. - Do you produce much smoke through your chullas or other activities? 		
14.	<p>Skills and abilities are human resources. Three important characteristics are:</p> <ul style="list-style-type: none"> - These are personal - Can be utilized by person himself only - Can be sharpened or cultivated - Can be acquired <p>(Any three)</p> <p>Other resources help in sharpening these resources for example if you have skill in cooking and money then you can join a training course and improve your skill. If you have ability to teach and time you can teach children <i>from</i> neighbourhood and earn money.</p> <p>Any other similar example.</p>	<p>1½</p> <p>2</p>	4
15.	<p>Factors affecting growth and development</p> <ul style="list-style-type: none"> (i) Heredity (ii) Prenatal environment (iii) Nutrition (iv) Intelligence (v) Level of stimulation (vi) Emotional climate of home <p>(Explanation of any four)</p>	1x4	4

		Value points	Marks
16.	<p>Reasons</p> <p>Wets the bed</p> <ul style="list-style-type: none"> - Child is not ready for training - Fear - Insecurity <p>(any two)</p> <p>Refuses to eat</p> <ul style="list-style-type: none"> - Child is not hungry - Feels unwell - Dislikes particular food - Forced to eat <p style="text-align: right;">(any four)</p>	<p>1 x 4</p>	4
17.	<p>Reasons</p> <p>(i) Parents are very strict and play the role of an authority figure</p> <p>(ii) Parents are indifferent and do not interact with children</p> <p>Suggestions</p> <p>(i) Parents should give more freedom to the adolescents.</p> <p>(ii) Parents should encourage the adolescent to participate in family matters and value their opinion.</p> <p>1x2=2</p>	<p>1x2</p> <p>2</p>	4
18.	<p>Four properties of silk</p> <p>(i) Appearance - smooth and shiny, sheds dirt</p> <p>(ii) Poor conductor of heat</p> <p>(iii) Strong fibre</p> <p>(iv) Resilience - Creases hang out well.</p>	1 x 4	4
19.	<p>The nutritional requirements of pregnant woman are extra calories, proteins, calcium, iron, vitamin A & C to take care of the growth of the foetus. She should also have more water and fiber and have frequent small meals than <i>one/two</i> big meals.</p> <p>Increase the amount of chapaties, pulse, vegetables, add one extra fruit etc., over normal lunch for woman in order to take care of the additional requirements.</p>	1½	6

		Value points	MARKS
Lunch			
Chapatti/Rice	2-3 /l plate	3	
Seasonal vegetable + paneer	1 1½ katori		
Dal	1 katori		
Salad	1 plate		
Fruit	1-2		
Lactating mother needs to eat even more (than the pregnant woman) calories, protein, calcium and vitamin A & C, hence, must add milk/curds, egg, nuts etc. in her meal.		1½	
20.	Consumer movement is a joint action of consumers against unfair practices of traders and manufacturers.		6
	In our country since majority of consumers are simple, illiterate and ignorant of their rights both the trader and the manufacturers try to cheat them.	1	
	The consumer alone has no chance to fight and win against these malpractices, hence requires help. Consumer movement is organized by a number of affected consumers getting together. Hence has better fighting and winning chances. This is why such a movement is important.	2	
Functions			
-	Educates the consumer of its rights and responsibilities	3	
-	Asks consumer to be vigilant and make a survey of products, always take a receipt for any purchase and preserve it.		
-	Raise voice against any malpractices.		
-	Represent the consumers' interests to government.		
-	Take a collective action against a malpractice.		
-	Make consumer aware of new rules and projects.		

		Value points	Marks
21.	While purchasing suits for attending a wedding and for office wear, the following points must be kept in mind:		
	<div> Suit for a wedding </div> <div> Office Wear </div>		
1.	Fabric: can be delicate fancy	1. Fabric must be durable and non-crushable.	$\frac{1}{2} \times 8$ 6
2.	Care: delicate fabric can be dry cleaned occasionally.	2. Must be easy to launder and care for.	
3.	Price: can be expensive as it is a fancy garment.	3. Must be of good quality but not very expensive.	
4.	Design: elaborate and fancy design.	4. Sensible design, suitable for office wear.	
5.	Fit: both must be well fitting.		1 x 2
6.	Workmanship: both must have good workmanship.		
<p style="text-align: center;">OPTIONAL MODULE - VIA House Keeping</p>			
22.	A housekeeper is incharge of the place for <ul style="list-style-type: none"> - maintenance - cleanliness - beautification - supervisor to personnel 	$\frac{1}{2} \times 4$	2
23.	<ul style="list-style-type: none"> - change all bed linen - clean the bathroom - thoroughly clean and air the room - remove all garbage and empty the dustbins. 	$\frac{1}{2} \times 4$	2
24.	Requirements <ul style="list-style-type: none"> (i) Tall vase because it is a tall arrangement. (ii) Flowers with atleast double the height of the vase because it is a tall arrangement in a tall vase. (iii) Foliage and fillers to make the arrangement look full and natural. (iv) Some accessory to go with the vase. (any 3) <p>The most suitable place for a tall arrangement in a room is the space in a comer which is free.</p>	1 x 3	4
		1	

		Value points	Marks
25.	Glass panes		
	(i) Clean with a wad of newspaper-first with dry newspaper, to clean all dust and dirt, and then with damp newspaper.	2	4
	(ii) To give shine, clean with water to which vinegar is added.		
	Badly stained steel taps		
	(i) Using mild, powdered abrasive, scrub the taps to clean/remove all stains.	2	
	(ii) Rinse with hot water.		
OPTIONAL MODULE - VI B			
Creative Hand Embroidery			
22.	- Black or dark green	1 x 2	2
	- Associated with evil and jealousy.		
23.	Requirements		
	- Carbon paper and pencil	1	2
	- Butter paper, temporary colour, kerosene		
	Procedure-		
	- Trace the design with pencil keeping the carbon paper between the cloth and design.		
	- Perforate the design before placing it on cloth and pass a load, dipping it in kerosene containing colour.	1	
24.	A three year old girl would like to have a cartoon character or an animal or bird on her frock. Size of the motif will proportionate to the size of the frock. Placement would be one on the yoke in front - right side, and one on the pocket on skirt - left side; Or One in the centre of the yoke and two on the hem of the skirt/pockets.	1 x 4	4
	Single colour - deeper than the base fabric colour or contrasting colour - could be bright red on any light colour.		
	Embroidery stitches could be simple - chain or back stitch to give outline and satin stitch for at new places where filling is required e.g. beak or feet or nose etc.		
25.	- Material for the shirt - to suit the embroidery.	1 x 4	4
	- Design for embroidery - small/big		
	- Occasion to use - formal/informal		
	- Colour Scheme - to suit the build and complexion of the wearer		