## **Sample Question Paper**

Home Science (321)

Time: 3 hrs Maximum Marks: 80

## Note:

- i. This question paper consists of 43 questions in all
- ii. All questions are compulsory
- iii. Marks are given against each question
- iv. Attempt all questions either from Optional Module A Housekeeping or Optional Module B Creative Hand Embroidery in all sections
- v. Section A consists of
  - a. Q.No. 1 to 16 Multiple Choice type Questions (MCQs) carrying 1 mark each. Select and write the most appropriate option out of the four options given in each of these questions.
  - b. Q.No. 17 to 28 Objective type questions. Attempt these questions as per the instructions given for each question.
- vi. Section B consists of.
  - a. Q.No. 29 to 37 Very Short questions carrying 02 marks each to be answered in the range of 30 to 50 words
  - b. Q.No. 38 to 41- Short Answer type questions carrying 03 marks each to be answered in the range of 50 to 80 words
  - c. Q.No. 42 and 43 Long Answer type questions carrying 05 marks each to be answered in the range of 80 to 120 words
  - d. Section B offers internal choices for some questions. Attempt only one of the given choices in such questions

Q. No.	Questions	Mark
	Section A	
1.	Ram is weak, tired and often breathless. His tongue is pale, and his fingers and toes feel pickled with pins and needles. What deficiency disease has these signs and symptoms  Choose the correct option  a) Vitamin A deficiency b) Anaemia c) Iodine deficiency d) Vitamin D deficiency	1

2	Leela is unwell. She has been advised to have banana, curd, biscuits, sago kichdi, boiled potato but avoid whole cereals, pulses, chillies, fried foods and green leafy vegetables. She is suffering from:	
	Choose the correct option	
	a) Diabetes	
	b) Constipation	
	c) Diarrhoea	
	d) Hypertension	
3	What does dead storage in a kitchen refer to?  Washing area with wet utangile	1
	<ul><li>a) Washing area with wet utensils</li><li>b) Storage of dals and other provisions</li></ul>	
	c) Storage of heavier and frequently used things	
	d) Storage of things occasionally used	
4	Which of the statements highlights the merits of a biogas plant?  i. Works when the sun is bright and shining	1
	ii. A family must have 7-8 animals to produce enough biogas.	
	iii. The digested waste is an excellent manure	
	<ul> <li>iv. Biogas prevents eye and lung diseases caused due to smoke from firewood.</li> </ul>	
	v. It saves wood.	
	vi. Biogas can be used to work small water pumps.	
	Choose the correct option a) (i) (ii) (iii)	
	b) (ii) (iv) (v)	
	c) (ii) (iii) (iv)	
	d) (iii) (iv) (v)	

5	<ul> <li>What investment schemes do these statements represent? <ul> <li>A. Provides financial protection to the dependents in the event of death or disability.</li> <li>B. The employer gives the employee the saved amount together with the interest at the time of retirement.</li> <li>C. Money grows as interest on the savings is given.</li> </ul> </li> <li>Choose the correct option <ul> <li>a) A. Life Insurance, B. Provident Funds, C. Bank</li> <li>b) A. Provident Funds, B. Bank, C. Life Insurance</li> <li>c) A. Bank, B. Life Insurance, C. Provident Fund</li> <li>d) A. Provident Fund, B. Life Insurance, C. bank</li> </ul> </li> </ul>	1
6	The sudden increase in height and weight in 11-13 years of age is  a) Growth spurt b) Puberty c) Extension d) Stretching	1
7	Sheena, at the age of 4 years believed that babies are brought from the hospital but at the age of 9, she does not believe so Identify the characteristic shown by her behaviour  a) Classification  b) Reversibility  c) Concept of fantasy and reality  d) Understanding another's point of view	1
8	Namada is a traditional Kashmiri rug made by a) Knitting b) Weaving c) Directly from fibres d) Braiding	1

9	Soap makes the clothes look dull in due course of time because a) It does not remove oily/greasy dirt	1
	b) It does not dissolve in cold water	
	c) It leaves soapy deposits on the fabric	
	d) It is made by mixing fat & wax	
10	Child A: 8 months old, has loose skin, a shrunken abdomen and feels hungry. Child B: 2 years old, has swelling due to water, a pot belly and loss of appetite.	1
	Identify the Protein Energy Malnutrition (PEM) they are suffering from.	
	Choose the correct option  a) Child A&B suffer from Marasmus b) Child A&B suffer from Kwashiorkor c) Child A suffers from Marasmus, child B has Kwashiorkor d) Child A suffers from Kwashiorkor, child B has Marasmus	
11	Group 1: Children below 6 years of age Group 2: Adolescents between 11 and 18 years Group 3: Pregnant and lactating women. Group 4: all women between 15-45 years	1
	These 4 groups are beneficiaries of which nutrition programme?	
	Choose the correct option  a) ICDS scheme b) Mid-day meal programme (MDMP) c) National Nutritional Anemia control programme d) National Control Programme for Prevention of Nutritional Blindness due to Vitamin A Deficiency.	
12	When a child is able to arrange A,B and C in ascending order he/she is:  a) 3 year old b) 5 year old c) 6 year old d) 10 year old	

13	Differentiation between fantasy and reality comes to a child when he/ she is:  a) 3 years old b) 5 years old c) between 3-5 years of age d) between 6-11 years of age	
	Optional Module A (Question:14,15,16) Housekeeping	
14	Read the listed steps:  i. Shred wax and put in a pan. Cover with turpentine ii. Heat in a double boiler till wax melts. iii. Cool and allow it to set.  What is prepared by this method?  Choose the correct option  a) Furniture cream b) Furniture polish c) Cooper cleaner d) Metal polish	1
15	Read the listed activities  i. Remove all movable articles  ii. It is necessary to remove all furniture & carpets  iii. Clean the cobwebs  Select the type of cleaning  (Choose the correct option)  a) Daily cleaning  b) Weekly cleaning  c) Monthly cleaning  d) Spring cleaning	1
16	Your friend tells you four features of a cleaning material  i. Effective over a wide range of temperatures.  ii. Harmless to the article and the skin  iii. Has good suspension powers  iv. Works well in all types of water.  Identify the cleaning material	1

	(Choose the correct option )- a) Abrasives b) Polishes c) Solvents d) Detergents	
	Optional Module B (Question: 14,15,16) Creative Hand Embroidery	
14	Tertiary colours are formed by mixing  a) Two primary colours  b) Two secondary colours  c) One primary and one secondary colour  d) One primary and two secondary colours	1
15	Which of the following colours creates the effect of magnificence and royalty?  a) Purple b) Yellow c) Brown d) Pink	1
16	When designs are made with shapes such as lines, circles, squares, triangles, etc, it is called  a) Simplified design b) Stylized design c) Geometrical design d) Abstract design	1
17	Name two factors you would consider to prepare an attractive and appealing meal, and give one example each.	2
18	Write True and False against statements.  i. Sick people need only medicines to improve health.  ii. Diet plays no role in helping the patient to get well.	2

	<ul><li>iii. A liquid diet consists of foods like nimbu-pani, fruit juices, coconut water, etc</li><li>iv. The normal diet meets the nutritional needs of all sick individuals.</li></ul>			
19	Match column A with column B			
	Column A Column B			
	i. Cooking two dishes together leads to	1. Renewable		
	ii. Increased industrialization results in	2. Energy generated		
	iii. Energy saved is	3. Limited		
	iv. Natural fuels are	4. Increased demand for energy		
		5. Conservation of energy		
		6. Population explosion		
20	Read the following paragraph and then answer questions (i) and (ii)  Mr. Lal and Mr. Anand both get a salary of Rs. 5000 each. Mr. Lal's office provides him with a free lunch as well as petrol expenses for his scooter. Mr. Anand's office has provided him a free-living quarter, near the office.  i. Which of the two men are enjoying a higher income?  ii. Give the reason for your answer.		2	
21	State whether the following statements are true or false. Give justification for your answer.  i. Children between 6-11 years get confused between words which are pronounced the same way but have different meanings.  Justification  ii. The peer group provides emotional security and comfort.  Justification		2	
22	Separate the activities based on fin muscular coordination.  i. Sharpening a pencil ii. Walking on the road iii. Eating food with spoon iv. Climbing stairs	ne muscular coordination from the gross	2	

23	<ul> <li>Give one word for the following sets of words:- <ol> <li>Interlacing of two sets of yarns at right angle</li></ol></li></ul>			
24	State whether the following are true or false.  i. The fabric should not be rinsed with water after bleaching and the bleach should be allowed to remain in it.  ii. Bleaches whiten or lighten the fabric by chemical action.  iii. Sunlight and moisture have bleaching effect on the fabric.  iv. Hydrogen peroxide can be safely applied on animal fibres.			
25	<ul> <li>Give one word for the following statements <ol> <li>A chemical compound which is capable of removing colouring matter from fabric making them whiter and brighter.</li> <li>The oldest and cheapest method of stain removal.</li> <li>A bleaching agent which is used to remove brown stains from the fabric.</li> <li>A bleaching agent which can be safely applied on animal as well as vegetable fibre.</li> </ol> </li> </ul>			
26	Explain to your neighbour the four skills she will learn after studying fabric science in home science.			
		e A (Question: 27,28) sekeeping		
27	Given below is a list of reagents. Spe	ecify their role in cleaning.	2	
	Reagents	Role in Cleaning		
	i. Lemon			
	ii. Jewellery rouge			
	iii. Sand			
	iv. Ammonia			
28	Match the methods of cleaning given in Column A with the procedure given in Column B			
	Column A	Column B		
	· · · · · · · · · · · · · · · · · · ·			

	i. Sweeping	a. beat an article to remove dust	
	ii. Dusting	b. wipe with dry cloth	
	iii. Polishing	c. rub to bring shine	
	iv. Shaking	d. dust carried with broom	
		e B (Question: 27,28) and Embroidery	
27	ii. Brown, beige and tan are iii. Tertiary colours are obtained colour.	are primary colours colours. by mixing one and one tive background for dark colours.	2
28	same colour.  ii. Red, blue-green and yellow-giii. Colours that are opposite eac complementary colours.	eme consists of tints and shades of the green form a tetrad colour scheme. h other in the colour wheel are known as r scheme is placed equilaterally on the	2
	Sec	ction B	
29	I. List four ethical problems in	a work or social context.  OR	2
	II. List four ethical habits you sl your performance.	nould develop as a student to enhance	
30	I. How does dehydration help t	o preserve papads & amchur powder?  OR	2
	II. List four ways of delaying th	e action of micro-organisms on apples.	

31	Identify two factors that help to preserve mangoes in the pickle.	
32	I. There is a box of apples and oranges in the house. Select a method of preservation for each of the fruits. Also, give a reason for each selection.	
	OR	
	II. You have two boxes of methi leaves. How will you freeze the methi leaves?	
33	We are experiencing global warming. List two human activities that led to global warming?	2
34	Kulpreet is looking for an electric toaster for her kitchen. As a trustworthy friend, make her aware of any four malpractices observed by manufacturers of electrical gadgets.	2
35	Your brother does not like lauki (bottle gourd) but your sister is very fond of it. How will you solve this problem, give two suggestions.	
	Optional Module A (Question: 36 & 37) Housekeeping	
36	Sita is cleaning her house. Suggest 2 ways to clean each of the following i. Watermarks on glass window ii. Grease stains on ceramic tiles	2
37	My room cooler is not working well. What could the four common reasons for this?	2
	Optional Module B (Question: 36 & 37) Creative hand Embroidery	
36	Sameera wants to give a final finish to the embroidered article. Suggest four points to be taken into account to make it look neater & presentable.	2
37	Sarika embroidered a large flower on the diwan cover. She wants to reduce the same flower to a smaller size for the cushion cover. List stepwise method to reduce the flower.	2
38	I. "If you educate a girl, you educate a nation." Do you agree? Give three reasons to support your answer.	3
	OR	
<u> </u>		

	II. "Any child who is below fourteen years of age and is engaged in work to earn a living is a child labourer". List three causes of child labour.	
39	I. Shyam has to buy a readymade suit for himself to attend a marriage party. Guide him about any three criteria for the selection of readymade garments.	
	OR	
	II. Why is it necessary to know about unfair practices in the textile and clothing industry? Identify and explain three unfair practices in the textile and clothing sector.	
40	List any six qualities one should look for while selecting and purchasing fabrics.	3
	Optional Module A (Question: 41) Housekeeping	
41	A flower arrangement is planned for a room. What three points would you keep in mind while selecting:  i. Plant material  ii. Vase	3
	Optional Module B (Question: 41) Creative hand Embroidery	
41	Kareena wants to embroider a kurta for her adolescent brother. List any six factors she will keep in mind while selecting a design for it.	3
42	List five typical characteristics or behaviour of adolescents which makes them different from adults	5
	OR	
	II. What are the five common challenges that adolescents face during their adolescence?	
43	What are five common malpractices of defective weights and measures?	5
	OR	
	II. State five Consumer Rights for Consumer Protection.	

## **Marking Scheme**

Q. No.	Section A	Distribution of marks	Mark
1	b) Anaemia	1	1
2	c) Diarrhoea	1	1
3	d) Storage of things occasionally used	1	1
4	d) (iii) (iv) (v)	1	1
5	a) Life Insurance, Provident Funds, Bank	1	1
6	a) Growth spurt	1	1
7	c) Concept of fantasy and reality	1	1
8	c) Directly from fibres	1	1
9	c) It leaves soapy deposits on the fabric	1	1
10	c) Child A suffers from Marasmus, child B has Kwashiorkor	1	1
11	a) ICDS scheme	1	1
12	c) 6 year old	1	1
13	c) between 3-5 years of age	1	1
	Optional Module A (Question:14,15,16) Housekeeping		
14	a) Furniture cream	1	1
15	d) Spring cleaning	1	1
16	d) Detergents	1	1
	Optional Module B (Question:14,15,16) Creative Hand Embroidery		
14	c) One primary and one secondary colour	1	1
15	a) Purple	1	1
16	c) Geometrical design	1	1

17	Factors-Colour, texture; Example	1+1=2	2
18	(i) False	½ x 4=2	2
	(ii) False		
	(iii) True		
	(iv) False		
19	(i)-5, (ii)-4, (iii)-2, (iv)-3	½ x 4=2	2
20	i. Mr. Anand. ii. House rent expenses are more than the expenses for lunch and petrol charges. Thus Mr. Anand is saving on rent and on transport expenses, which is more than Mr. Lal's savings.	1+1=2	2
21	i. False. 6-11 year olds can differentiate between such words and also enjoy using them ii. True. They know that others also feel the same way on many similar issues	$(\frac{1}{2} + \frac{1}{2}) x$ 2=2	2
22	Fine muscular coordination - i, iii Gross muscular coordination - ii, iv	½ x 4=2	2
23	i) weaving ii) knitting iii) thread count iv) satin	½ x 4=2	2
24	i. False ii. True iii. True iv. True	½ x 4=2	2
25	i. bleach ii. cotton iii. oxalic acid iv. Hydrogen peroxide	½ x 4=2	2
26.	<ul> <li>Skill in-identification and selection of fabrics;</li> <li>using textile finishes for fabric enrichment;</li> <li>buying readymade garments by judging quality;</li> <li>reading labels laundering and storage of clothes, etc.</li> <li>(any 4)</li> </ul>	½ x 4=2	2
	Optional A (Question: 27, 28) Housekeeping		

27	<ul> <li>i. clean stains from metals</li> <li>ii. clean jewellery</li> <li>iii. clean hard surface</li> <li>iv. grease emulsifier, stain removing spirit</li> </ul>	½ x 4=2	2
28	i. d ii. b iii. c iv. a	½ x 4=2	2
	Optional B (Question: 27, 28) Creative Hand Embroidery		
27	<ul><li>i. Yellow, blue</li><li>ii. Neutral</li><li>iii. Primary, secondary</li><li>iv. Neutral</li></ul>	½ x 4=2	2
28	i. True ii. False iii. True iv. False	½ x 4=2	2
	Section B		
29	<ul> <li>I. Ethical Problems (any 4)</li> <li>Disrespect for task</li> <li>Rude and impolite behaviour</li> <li>Inadequate knowledge and skill</li> <li>Disregard for rules and regulations</li> <li>Disloyalty</li> <li>Wastage of resources</li> <li>Irregularity and lack of punctuality</li> </ul>	½ x 4=2	2
	OR II. Code of Ethics (any 4)		

	<ul> <li>Do not waste resources.</li> <li>Follow the rules, policies and procedures of your work strictly and uniformly.</li> <li>Do not indulge in favouritism and discrimination while doing your duty.</li> <li>Treat everyone equally.</li> <li>Have respect for all kinds of work.</li> <li>Do not accept favours that may negatively influence the performance of your work.</li> <li>Be loyal to your work and to the organisation to which you belong.</li> <li>Expose corruption wherever you encounter it.</li> </ul>		
30	<ul> <li>I. Dehydration lowers moisture levels. In low moisture level, the micro-organisms cannot grow.     Also enzyme activity is controlled</li> <li>OR</li> <li>II. <ul> <li>Do not remove the peel</li> <li>Pack apples in polythene/aluminium foil.</li> <li>Keep in the refrigerator</li> <li>Make jam</li> </ul> </li> </ul>	1+1=2 OR ½ x 4=2	2
31	The layer of oil prevents the foodstuff from coming in contact with air, thus preventing the entry of micro-organisms.  When salt and spices are added, they draw out the water from the foodstuff and microorganisms cannot grow.	1+1=2	2
32	<ul> <li>I. Apples-jam Boiling the fleshy part of the fruit with sugar prevents growth of micro-organism Oranges-squash Oranges are jicy &amp; citrus. Sugar is added to the juice, it preserves well OR II. Wash methi well; pluck the leaves and tender stems; pack in small polythene packets and seal; place in the freezer. </li> </ul>	1/ <sub>2</sub> +1/ <sub>2</sub> +1/ <sub>2</sub> +1/ <sub>2</sub> =2	2
33	Presence of green-house gases in the atmosphere do not reflect all solar radiations reaching the earth. Human activities like burning fuels, deforestation have increased these gases in	1+1=2	2

	the atmosphere. It has resulted in an increase in atmospheric temperature. This is global warming.		
34	<ul> <li>Defective goods – Not working</li> <li>Price variation-charge more than MRP</li> <li>Incomplete label-No instructions for usage</li> <li>Poor quality- fake standard marks</li> <li>Life Risk – Electric shock</li> <li>Wastage of Power – More Electricity consumption</li> </ul>	½ x 4=2	2
35	By making lauki kofta instead of lauki curry. This is planning meal according to likes and dislikes of family members.	1+1=2	2
	Optional A (Question: 36 & 37)		
36	<ul><li>(a) Clean with newspaper &amp; water; Rinse with water &amp; vinegar</li><li>(b) Clean with hot water &amp; detergent; Remove stubborn stains with water and paper &amp; detergent</li></ul>	$\frac{\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}}{2}$	2
37	<ul> <li>i. The khus-khus pads are old.</li> <li>ii. Water in the tank is below the minimum level.</li> <li>iii. Pump and fan are not lubricated.</li> <li>iv. Water inlet is clogged.</li> </ul>	½x4=2	2
	Optional B (Question: 36 & 37)		
36	<ul> <li>Do not end the embroidery in a big knot-keep the back as neat as front.</li> <li>Clip the extra threads at the back.</li> <li>Wash/dry clean after embroidery as handling makes it dirty.</li> </ul>	½x4=2	2
	<ul> <li>dirty.</li> <li>If article heavily embroidered-store after folding in a mulmul cloth</li> </ul>		

	<ul> <li>Step 4 – Using the squares as a guide, draw the illustrations onto large squares.</li> </ul>		
38	<ul> <li>I.</li> <li>Financial Independence</li> <li>Educated mothers help children in studies and develop good habits &amp; values.</li> <li>Educated girls – daughter- daughter in Law-Wife-mother in turn will help the entire society.</li> </ul> OR	1x3=3	3
	<ul> <li>II. Causes of child labour (any 3)</li> <li>Poverty</li> <li>Illiteracy and ignorance of parents</li> <li>Orphaned, abandoned and rejected children</li> <li>Nimble fingers and keen eyesight which are assets in traditional craft e.g. carpet weaving.</li> <li>Demand for such labour which is cheap, silent and uncomplaining</li> </ul>		
39	<ul> <li>I. (any 3)</li> <li>Fit – Exact measurements/Appealing to the figure/should not oversize or undersize.</li> <li>Workmanship-finished seams/Durable seams/No puckering</li> <li>Price – Demanded price goes along with quality and construction details.</li> <li>Care &amp; Maintenance – Minimum Care &amp; Maintenance/Read Label</li> </ul>	1x3=3	3
	OR		
	<ul> <li>II. MALPRACTICES by traders and/or manufacturers (any 3)</li> <li>Giving lesser quantity and/or poor quality of the product.</li> <li>Cheating on price.</li> </ul>		

	<ul> <li>Selling defective goods.</li> <li>Providing false, misleading and incomplete labels and markings</li> </ul>		
40	<ul> <li>Appearance – soft lustrous</li> <li>Durable – Long Life/Strength</li> <li>Comfort – Not irritable to skin</li> <li>Finish – Wrinkle resistant finish/No need to iron</li> <li>Care- Easy wash instructions</li> <li>Quality – Fine quality</li> </ul>	½x6=3	3
	Optional A (Question: 41)		
41	<ul> <li>a) Plant material- can use fresh/artificial flower; leaves/foliage; use odd number of flowers; use twigs such as curved brances</li> <li>b) Vase-select vase to match mood and décor; vase can be matching or contrasting to flower arrangement; can make your own vase with flat pot/hollow of wood, etc.</li> </ul>	½ x 6=3	3
	Optional B (Question: 41)		
41	<ul> <li>Purpose</li> <li>Colour of the fabric</li> <li>Texture of the fabric</li> <li>Comfort</li> <li>Point of Emphasis</li> <li>Occasion</li> </ul>	½ x 6=3	3
42	<ul> <li>I.  i. Believe in Idealistic world –Everything is good, clean &amp; just.</li> <li>ii. Experience crushes – Intense feeling of love towards opposite sex.</li> <li>iii. Peer group culture- Peculiar way of talking walking &amp; Behaviour.</li> </ul>	1x5=5	5

OR II.	<ul> <li>iv. Experience feeling of Rebellion – Tattoos on their bodies/listening to loud music</li> <li>v. Experience Extreme mood swings</li> <li>Problems of adolescents (any 5)</li> <li>Eating disorders</li> <li>Suicidal tendencies</li> <li>Peer pressure</li> <li>Personal problems</li> <li>Social problems</li> <li>Biological problems</li> <li>Adolescent pregnancy</li> </ul>		
43 I.  OR II.	<ul> <li>i. Use irregular weights</li> <li>ii. Use weighting balance with a wooden beam.</li> <li>iii. Pointers do not rest at zero</li> <li>iv. Placement of magnet under the pan of the scale</li> <li>v. Meters at petrol pumps and in auto-rickshaws and taxis not showing zero readings</li> <li>vi. use of a measure that may be dented or with a false bottom to give less measurements of liquids like milk or oil</li> <li>vii. use of a short or dented measuring rod, or by streching the fabric or measuring the fabric on marked table tops to measure less fabric, etc.</li> <li>Consumer rights <ol> <li>i. Right to safety</li> <li>ii. Right to be informed</li> <li>iii. Right to choose</li> <li>iv. Right to redressal</li> <li>vi. Right to consumer education</li> </ol> </li> </ul>	1x5=5	5