

Sample Question Paper
Home Science (321)

Time: 2 ½ 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. An internal choice has been provided in some of these questions. You have to attempt only one of the given choices in such 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

Q. No.	Questions	Mark
Section A		
1.	<p>I. 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</p> <p>Choose the correct option</p> <ol style="list-style-type: none">a) Vitamin A deficiencyb) Anaemiac) Iodine deficiencyd) Vitamin D deficiency <p style="text-align: center;">OR</p>	1

	<p>II. Study the flow chart:</p> <p>Low energy (carbohydrates and fats) intake ↓ Leads to Deficiency of energy in the body ↓ Leads to <div style="border: 1px solid black; height: 20px; width: 100%;"></div> ↓ Leads to Deficiency of proteins in the body</p> <p>Fill in the box with the best option:</p> <ul style="list-style-type: none"> a) Use of proteins for giving energy b) Use of fats for giving energy c) Use of fibre for giving energy d) Use of salt for giving energy 	
2	<p>I. What factors must be considered in planning diet for preschoolers?</p> <ul style="list-style-type: none"> i) Less spicy food ii) Hand finger foods iii) Good quantity iv) Liked by peer group v) Food neither too hot nor too cold <p>Choose the correct option</p> <ul style="list-style-type: none"> a) (i) (ii) (iii) b) (ii) (iii) (iv) c) (iii) (iv) (v) d) (i) (ii) (v) <p style="text-align: center;">OR</p> <p>II. 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:</p>	1

	<p>Choose the correct option</p> <p>a) Diabetes</p> <p>b) Constipation</p> <p>c) Diarrhoea</p> <p>d) Hypertension</p>	
3	<p>I. What does dead storage in a kitchen refer to?</p> <p>a) Washing area with wet utensils</p> <p>b) Storage of dals and other provisions</p> <p>c) Storage of heavier and frequently used things</p> <p>d) Storage of things occasionally used</p> <p style="text-align: center;">OR</p> <p>II. Areas for pre-preparation, cooking and washing should be as near each other as possible.</p> <p>Justify this statement with the best reason.</p> <p>a) This helps in saving space.</p> <p>b) It adds to the aesthetics of the kitchen.</p> <p>c) Saves both time and energy.</p> <p>d) It respects religious sentiments.</p>	1
4	<p>I. Which of the statements highlights the merits of a biogas plant?</p> <p>i. Works when the sun is bright and shining</p> <p>ii. A family must have 7-8 animals to produce enough biogas.</p> <p>iii. The digested waste is an excellent manure</p> <p>iv. Biogas prevents eye and lung diseases caused due to smoke from firewood.</p> <p>v. It saves wood.</p> <p>vi. Biogas can be used to work small water pumps.</p>	1

	<p>Choose the correct option</p> <p>a) (i) (ii) (iii)</p> <p>b) (ii) (iv) (v)</p> <p>c) (ii) (iii) (iv)</p> <p>d) (iii) (iv) (v)</p> <p style="text-align: center;">OR</p> <p>II. Wind energy used for electricity production has unlimited supply and is non-polluting. So wind energy is called a source of energy.</p> <p>Choose the correct option</p> <p>a) Non-renewable</p> <p>b) Conventional</p> <p>c) Non-conventional</p> <p>d) New</p>	
5	<p>What investment schemes do these statements represent?</p> <p>A. Provides financial protection to the dependents in the event of death or disability.</p> <p>B. The employer gives the employee the saved amount together with the interest at the time of retirement.</p> <p>C. Money grows as interest on the savings is given.</p> <p>Choose the correct option</p> <p>a) A. Life Insurance, B. Provident Funds, C. Bank</p> <p>b) A. Provident Funds, B. Bank, C. Life Insurance</p> <p>c) A. Bank, B. Life Insurance, C. Provident Fund</p> <p>d) A. Provident Fund, B. Life Insurance, C. bank</p>	1
6	<p>I. The sudden increase in height and weight in 11-13 years of age is</p> <p>a) Growth spurt</p> <p>b) Puberty</p> <p>c) Extension</p> <p>d) Stretching</p>	1

	OR	
	<p>II. The head of the newborn is</p> <ol style="list-style-type: none"> a) $\frac{1}{4}$th of the size of the body b) $\frac{1}{8}$th of the size of the body c) $\frac{1}{12}$th of the size of the body d) $\frac{1}{6}$th of the size of the body 	
7	<p>I. 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</p> <ol style="list-style-type: none"> a) Classification b) Reversibility c) Concept of fantasy and reality d) Understanding another's point of view <p style="text-align: center;">OR</p> <p>II. Neena understands that a car travelling at 60 km/hr will reach earlier than one travelling at 40km/hr This is a characteristic feature of</p> <ol style="list-style-type: none"> a) Infancy b) Middle Childhood c) Early childhood d) Adolescence 	1
8	<p>I. Namada is a traditional Kashmiri rug made by</p> <ol style="list-style-type: none"> a) Knitting b) Weaving c) Directly from fibres d) Braiding <p style="text-align: center;">OR</p>	1





	<p>II. The total number of warps and wefts per square inch of a woven fabric is called</p> <ul style="list-style-type: none"> a) Weave count b) Net c) Thread count d) Selvedge 	
9	<p>I. Soap makes the clothes look dull in due course of time because</p> <ul style="list-style-type: none"> a) It does not remove oily/greasy dirt b) It does not dissolve in cold water c) It leaves soapy deposits on the fabric d) It is made by mixing fat & wax <p style="text-align: center;">OR</p> <p>II. Which of the statements are true regarding optical brightening agents?</p> <ul style="list-style-type: none"> a) Economical b) Whitens the fabric c) Colourless dyes d) Both (b) and (c) 	1
10	<p>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.</p> <p>Identify the Protein Energy Malnutrition (PEM) they are suffering from.</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> 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 	1

11	<p>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</p> <p>These 4 groups are beneficiaries of which nutrition programme?</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> 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. 	1
12	<p>When a child is able to arrange A,B and C in ascending order he/she is:</p> <ul style="list-style-type: none"> a) 3 year old b) 5 year old c) 6 year old d) 10 year old 	
13	<p>Differentiation between fantasy and reality comes to a child when he/ she is:</p> <ul style="list-style-type: none"> a) 3 years old b) 5 years old c) between 3-5 years of age d) between 6-11 years of age 	
<p>Optional Module A (Question:14,15,16) Housekeeping</p>		
14	<p>I. Read the listed steps:</p> <ul style="list-style-type: none"> 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. <p>What is prepared by this method?</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Furniture cream b) Furniture polish c) Cooper cleaner d) Metal polish 	1

	OR	
	<p>II. Shaking and beating method of cleaning is suitable for -----</p> <p>Choose the correct option</p> <p>a) Sarees and dresses</p> <p>b) Vinyl flooring</p> <p>c) Bedsheets</p> <p>d) Carpets and curtains</p>	
15	<p>Read the listed activities</p> <p>i. Remove all movable articles</p> <p>ii. It is necessary to remove all furniture & carpets</p> <p>iii. Clean the cobwebs</p> <p>Select the type of cleaning (Choose the correct option)</p> <p>a) Daily cleaning</p> <p>b) Weekly cleaning</p> <p>c) Monthly cleaning</p> <p>d) Spring cleaning</p>	1
16	<p>Your friend tells you four features of a cleaning material</p> <p>i. Effective over a wide range of temperatures.</p> <p>ii. Harmless to the article and the skin</p> <p>iii. Has good suspension powers</p> <p>iv. Works well in all types of water.</p> <p>Identify the cleaning material (Choose the correct option)-</p> <p>a) Abrasives</p> <p>b) Polishes</p> <p>c) Solvents</p> <p>d) Detergents</p>	1

Optional Module B (Question: 14,15,16) Creative Hand Embroidery		
14	<p>I. Tertiary colours are formed by mixing</p> <ol style="list-style-type: none"> a) Two primary colours b) Two secondary colours c) One primary and one secondary colour d) One primary and two secondary colours <p style="text-align: center;">OR</p> <p>II. ----- colour scheme is used in Kantha of Bengal</p> <ol style="list-style-type: none"> a) Monochromatic b) Triad c) Tetrad d) Analogous 	1
15	<p>Which of the following colours creates the effect of magnificence and royalty?</p> <ol style="list-style-type: none"> a) Purple b) Yellow c) Brown d) Pink 	1
16	<p>When designs are made with shapes such as lines, circles, squares, triangles, etc, it is called</p> <ol style="list-style-type: none"> a) Simplified design b) Stylized design c) Geometrical design d) Abstract design 	1
17	<p>I. Name two factors you would consider to prepare an attractive and appealing meal, and give one example each.</p> <p style="text-align: center;">OR</p> <p>II. List the different types of work. Which kind of work requires maximum energy?</p>	2

18	<p>Write True and False against statements. (attempt any 4)</p> <ol style="list-style-type: none"> i. Sick people need only medicines to improve health. ii. Diet plays no role in helping the patient to get well. iii. A liquid diet consists of foods like nimbu-pani, fruit juices, coconut water, etc iv. The normal diet meets the nutritional needs of all sick individuals. v. The modified diet should be as similar to the normal diet as possible. 	2														
19	<p>Match column A with column B</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: left;">Column A</th> <th style="width: 50%; text-align: left;">Column B</th> </tr> </thead> <tbody> <tr> <td>i. Cooking two dishes together leads to</td> <td>1. Renewable</td> </tr> <tr> <td>ii. Increased industrialization results in</td> <td>2. Energy generated</td> </tr> <tr> <td>iii. Energy saved is</td> <td>3. Limited</td> </tr> <tr> <td>iv. Natural fuels are</td> <td>4. Increased demand for energy</td> </tr> <tr> <td></td> <td>5. Conservation of energy</td> </tr> <tr> <td></td> <td>6. Population explosion</td> </tr> </tbody> </table>	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	2
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	<p>Read the following paragraph and then answer questions (i) and (ii)</p> <p>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.</p> <ol style="list-style-type: none"> i. Which of the two men are enjoying a higher income? ii. Give the reason for your answer. 	2														
21	<p>State whether the following statements are true or false. Give justification for your answer.</p> <ol style="list-style-type: none"> 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 fine muscular coordination from the gross muscular coordination. (attempt any 4) <ul style="list-style-type: none"> i. Sharpening a pencil _____ ii. Walking on the road _____ iii. Eating food with spoon _____ iv. Climbing stairs _____ v. Running and jumping hurdles _____ vi. Tacking a button on the shirt. _____ 	2
23	Give one word for the following sets of words:- <ul style="list-style-type: none"> i. Interlacing of two sets of yarns at right angle _____ ii. Only one set of yarns is interlooped to get a fabric _____ iii. Total number of yarn per square inch of fabric _____ iv. Weave that has long floats on the surface which give it a shine _____ 	2
24	State whether the following are true or false. <ul style="list-style-type: none"> 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. 	2
25	<p>I. What do you understand by the following symbols?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(i)</p> </div> <div style="text-align: center;">  <p>(ii)</p> </div> <div style="text-align: center;">  <p>(iii)</p> </div> <div style="text-align: center;">  <p>(iv)</p> </div> </div> <p style="text-align: center;"><i>Alternative question for Visually Impaired Candidate</i></p> <p>II. Give one word for the following statements (attempt any 4)</p> <ul style="list-style-type: none"> i. A chemical compound which is capable of removing colouring matter from fabric making them whiter and brighter. ii. The oldest and cheapest method of stain removal. iii. A bleaching agent which is used to remove brown stains from the fabric. iv. A bleaching agent which can be safely applied on animal as well as vegetable fibre. v. Pure white wool and silk turn yellow in colour in due course of time due to application of this bleach. 	2

26	Explain to your neighbour the four skills she will learn after studying fabric science in home science.	2												
Optional Module A (Question: 27,28) Housekeeping														
27	Given below is a list of reagents. Specify their role in cleaning. (any 4)	2												
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Reagents</th> <th style="width: 50%;">Role in Cleaning</th> </tr> </thead> <tbody> <tr> <td>i. Lemon</td> <td></td> </tr> <tr> <td>ii. Jewellery rouge</td> <td></td> </tr> <tr> <td>iii. Sand</td> <td></td> </tr> <tr> <td>iv. Ammonia</td> <td></td> </tr> <tr> <td>v. Methylated Spirit</td> <td></td> </tr> </tbody> </table>		Reagents	Role in Cleaning	i. Lemon		ii. Jewellery rouge		iii. Sand		iv. Ammonia		v. Methylated Spirit		
Reagents	Role in Cleaning													
i. Lemon														
ii. Jewellery rouge														
iii. Sand														
iv. Ammonia														
v. Methylated Spirit														
28	Match the methods of cleaning given in Column A with the procedure given in Column B	2												
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Column A</th> <th style="width: 50%;">Column B</th> </tr> </thead> <tbody> <tr> <td>i. Sweeping</td> <td>a. beat an article to remove dust</td> </tr> <tr> <td>ii. Dusting</td> <td>b. wipe with dry cloth</td> </tr> <tr> <td>iii. Polishing</td> <td>c. rub to bring shine</td> </tr> <tr> <td>iv. Shaking</td> <td>d. dust carried with broom</td> </tr> </tbody> </table>		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			
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													
Optional Module B (Question: 27,28) Creative hand Embroidery														

27	<p>Fill in the blanks (attempt any 4)</p> <p>i. Red, _____ and _____ are primary colours.</p> <p>ii. Brown, beige and tan are _____ colours.</p> <p>iii. Tertiary colours are obtained by mixing one _____ and one _____ colour.</p> <p>iv. _____ colours form effective background for dark colours.</p> <p>v. Orange colour can give you a feeling of _____ during winters.</p>	2
28	<p>State whether the following statements are true or false. (any 4)</p> <p>i. A monochromatic colour scheme consists of tints and shades of the same colour.</p> <p>ii. Red, blue-green and yellow-green form a tetrad colour scheme.</p> <p>iii. Colours that are opposite each other in the colour wheel are known as complementary colours.</p> <p>iv. A split complementary colour scheme is placed equilaterally on the colour wheel.</p> <p>v. Analogous is also known as the adjacent colour scheme.</p>	2
Section B		
29	<p>I. List four ethical problems in a work or social context.</p> <p style="text-align: center;">OR</p> <p>II. List four ethical habits you should develop as a student to enhance your performance.</p>	2
30	<p>I. How does dehydration help to preserve papads & amchur powder?</p> <p style="text-align: center;">OR</p> <p>II. List four ways of delaying the action of micro-organisms on apples.</p>	2
31	Identify two factors that help to preserve mangoes in the pickle.	2
32	<p>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.</p> <p style="text-align: center;">OR</p> <p>II. You have two boxes of methi leaves. How will you freeze the methi leaves?</p>	2
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.	2
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. OR 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.	3
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.	3

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	I. List five typical characteristics or behaviour of adolescents which makes them different from adults OR II. What are the five common challenges that adolescents face during their adolescence?	5
43	I. What are five common malpractices of defective weights and measures? OR II. State five Consumer Rights for Consumer Protection.	5

Marking Scheme

Q. No.	Section A	Distribution of marks	Mark
1	I. b) Anaemia OR II. a) Use of proteins for giving energy	1	1
2	I. d) (i) (ii) (v) OR II. c) Diarrhoea	1	1
3	I. d) Storage of things occasionally used OR II. c) Saves both time and energy	1	1
4	I. d) (iii) (iv) (v) OR II. c) Non-conventional	1	1
5	a) Life Insurance, Provident Funds, Bank	1	1
6	I. a) Growth spurt OR II. a) 1/4 th of the size of the body	1	1
7	I. c) Concept of fantasy and reality OR II. b) Middle Childhood	1	1
8	I. c) Directly from fibres OR II. c) Thread count	1	1
9	I. c) It leaves soapy deposits on the fabric OR II. d) Both (b) and (c)	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		
13	c) between 3-5 years of age		

	Optional Module A (Question:14,15,16) Housekeeping		
14	I. a) Furniture cream OR II. d) Carpets and curtains	1	1
15	d) Spring cleaning	1	1
16	d) Detergents	1	1
	Optional Module B (Question:14,15,16) Creative Hand Embroidery		
14	I. c) One primary and one secondary colour OR II. c) Tetrad	1	1
15	a) Purple	1	1
16	c) Geometrical design	1	1
17	I. Factors-Colour, texture; Example OR II. Heavy, sedentary and light. Heavy work requires maximum energy.	1+1=2	2
19	(i) False (ii) False (iii) True (iv) False (v) True (any 4)	$\frac{1}{2} \times 4=2$	2
19	(i)-5, (ii)-4, (iii)-2, (iv)-3	$\frac{1}{2} \times 4=2$	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	$(\frac{1}{2} + \frac{1}{2}) \times 2 = 2$	2
22	Fine muscular coordination - i, iii, vi Gross muscular coordination - ii, iv, v	$\frac{1}{2} \times 4 = 2$	2
23	i) weaving ii) knitting iii) thread count iv) satin	$\frac{1}{2} \times 4 = 2$	2
24	i. False ii. True iii. True iv. True	$\frac{1}{2} \times 4 = 2$	2
25	I. i. Do not use bleach ii. Do not wash iii. Drip dry iv. Hand wash (Do not machine wash) <i>Alternative question for Visually Impaired Candidate</i> II. (any 4) i. bleach ii. cotton iii. oxalic acid iv. Hydrogen peroxide v. Reducing bleach	$\frac{1}{2} \times 4 = 2$	2
26.	<ul style="list-style-type: none"> ● Skill in-identification and selection of fabrics; ● using textile finishes for fabric enrichment; ● buying readymade garments by judging quality; ● reading labels laundering and storage of clothes, etc. (any 4)	$\frac{1}{2} \times 4 = 2$	2
	Optional A (Question: 27, 28) Housekeeping		
27	i. clean stains from metals ii. clean jewellery iii. clean hard surface iv. grease emulsifier, stain removing spirit v. grease solvent, removes grease stains (any 4)	$\frac{1}{2} \times 4 = 2$	2
28	i. d ii. b iii. c iv. a	$\frac{1}{2} \times 4 = 2$	2

	Optional B (Question: 27, 28) Creative Hand Embroidery		
27	(any 4) i. Yellow, blue ii. Neutral iii. Primary, secondary iv. Neutral v. Warmth	$\frac{1}{2} \times 4=2$	2
28	(any 4) i. True ii. False iii. True iv. False v. True	$\frac{1}{2} \times 4=2$	2
	Section B		
29	I. Ethical Problems (any 4) <ul style="list-style-type: none"> ● Disrespect for task ● Rude and impolite behaviour ● Inadequate knowledge and skill ● Disregard for rules and regulations ● Disloyalty ● Wastage of resources ● Irregularity and lack of punctuality OR II. Code of Ethics (any 4) <ul style="list-style-type: none"> ● Be regular and punctual at work and at home. ● Do the task assigned to you. ● Be polite, patient, courteous and respectful to all. ● Acquire the knowledge and skills necessary to do the task assigned to you. ● Be prepared to learn more and update yourself. ● Find more and more efficient ways of getting your work done. ● Manage and apply your resources efficiently. ● Do not waste resources. ● Follow the rules, policies and procedures of your work strictly and uniformly. ● Do not indulge in favouritism and discrimination while doing your duty. ● Treat everyone equally. 	$\frac{1}{2} \times 4=2$	2

	<ul style="list-style-type: none"> ● Have respect for all kinds of work. ● Do not accept favours that may negatively influence the performance of your work. ● Be loyal to your work and to the organisation to which you belong. ● Expose corruption wherever you encounter it. 		
30	<p>I. Dehydration lowers moisture levels. In low moisture level, the micro-organisms cannot grow. Also enzyme activity is controlled</p> <p>OR</p> <p>II.</p> <ul style="list-style-type: none"> ● Do not remove the peel ● Pack apples in polythene/aluminium foil. ● Keep in the refrigerator ● Make jam 	<p>1+1=2 OR $\frac{1}{2} \times 4=2$</p>	2
31	<p>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.</p>	1+1=2	2
32	<p>I. Apples-jam Boiling the fleshy part of the fruit with sugar prevents growth of micro-organism Oranges-squash Oranges are jicy & citrus. Sugar is added to the juice, it preserves well</p> <p>OR</p> <p>II. Wash methi well; pluck the leaves and tender stems; pack in small polythene packets and seal; place in the freezer.</p>	<p>$\frac{1}{2}+\frac{1}{2}+\frac{1}{2}$ $+\frac{1}{2}=2$</p>	2
33	<p>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 the atmosphere. It has resulted in an increase in atmospheric temperature. This is global warming.</p>	1+1=2	2
34	<ul style="list-style-type: none"> ● Defective goods – Not working ● Price variation-charge more than MRP ● Incomplete label-No instructions for usage 	$\frac{1}{2} \times 4=2$	2

	<ul style="list-style-type: none"> ● Poor quality- fake standard marks ● Life Risk – Electric shock ● Wastage of Power – More Electricity consumption 		
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	<p>(a) Clean with newspaper & water; Rinse with water & vinegar</p> <p>(b) Clean with hot water & detergent; Remove stubborn stains with water and paper & detergent</p>	$\frac{1}{2}+\frac{1}{2}+\frac{1}{2}+\frac{1}{2}=\frac{2}{2}$	2
37	<p>i. The khus-khus pads are old.</p> <p>ii. Water in the tank is below the minimum level.</p> <p>iii. Pump and fan are not lubricated.</p> <p>iv. Water inlet is clogged.</p>	$\frac{1}{2} \times 4 = 2$	2
	Optional B (Question: 36 & 37)		
36	<ul style="list-style-type: none"> ● Do not end the embroidery in a big knot-keep the back as neat as front. ● Clip the extra threads at the back. ● Wash/dry clean after embroidery as handling makes it dirty. ● If article heavily embroidered-store after folding in a mulmul cloth 	$\frac{1}{2} \times 4 = 2$	2
37	<ul style="list-style-type: none"> ● Step 1 – Select the large flower for embroidery ● Step 2 – Trace it on a racing paper. ● Step 3 – Use a carbon paper to transfer the tracing on to a graph paper. ● Step 4 – Using the squares as a guide, draw the illustrations onto large squares. 	$\frac{1}{2} \times 4 = 2$	2

38	<p>I.</p> <ul style="list-style-type: none"> ● Financial Independence ● Educated mothers help children in studies and develop good habits & values. ● Educated girls – daughter- daughter in Law-Wife-mother in turn will help the entire society. <p>OR</p> <p>II. Causes of child labour (any 3)</p> <ul style="list-style-type: none"> ● Poverty ● Illiteracy and ignorance of parents ● Orphaned, abandoned and rejected children ● Nimble fingers and keen eyesight which are assets in traditional craft e.g. carpet weaving. ● Demand for such labour which is cheap, silent and uncomplaining 	1x3=3	3
39	<p>I. (any 3)</p> <ul style="list-style-type: none"> ● Fit – Exact measurements/Appealing to the figure/should not oversize or undersize. ● Workmanship-finished seams/Durable seams/No puckering ● Price – Demanded price goes along with quality and construction details. ● Care & Maintenance – Minimum Care & Maintenance/Read Label <p>OR</p> <p>II. MALPRACTICES by traders and/or manufacturers (any 3)</p> <ul style="list-style-type: none"> ● Giving lesser quantity and/or poor quality of the product. ● Cheating on price. ● Selling defective goods. ● Providing false, misleading and incomplete labels and markings 	1x3=3	3

40	<ul style="list-style-type: none"> ● Appearance – soft lustrous ● Durable – Long Life/Strength ● Comfort – Not irritable to skin ● Finish – Wrinkle resistant finish/No need to iron ● Care- Easy wash instructions ● Quality – Fine quality 	$\frac{1}{2} \times 6 = 3$	3
	Optional A (Question: 41)		
41	<p>a) Plant material- can use fresh/artificial flower; leaves/foilage; use odd number of flowers; use twigs such as curved brances</p> <p>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.</p>	$\frac{1}{2} \times 6 = 3$	3
	Optional B (Question: 41)		
41	<ul style="list-style-type: none"> ● Purpose ● Colour of the fabric ● Texture of the fabric ● Comfort ● Point of Emphasis ● Occasion 	$\frac{1}{2} \times 6 = 3$	3
42	<p>I.</p> <ol style="list-style-type: none"> i. Believe in Idealistic world –Everything is good, clean & just. ii. Experience crushes – Intense feeling of love towards opposite sex. iii. Peer group culture- Peculiar way of talking walking & Behaviour. iv. Experience feeling of Rebellion – Tattoos on their bodies/listening to loud music v. Experience Extreme mood swings <p>OR</p> <p>II. Problems of adolescents (any 5)</p> <ul style="list-style-type: none"> ● Eating disorders ● Suicidal tendencies 	$1 \times 5 = 5$	5

	<ul style="list-style-type: none"> ● Peer pressure ● Personal problems ● Social problems ● Biological problems ● Adolescent pregnancy 		
43	<p>I. (any 5)</p> <ol style="list-style-type: none"> i. Use irregular weights ii. Use weighting balance with a wooden beam. iii. Pointers do not rest at zero iv. Placement of magnet under the pan of the scale v. Meters at petrol pumps and in auto-rickshaws and taxis not showing zero readings vi. use of a measure that may be dented or with a false bottom to give less measurements of liquids like milk or oil vii. use of a short or dented measuring rod, or by stretching the fabric or measuring the fabric on marked table tops to measure less fabric, etc. <p>OR</p> <p>II. Consumer rights</p> <ol style="list-style-type: none"> i. Right to safety ii. Right to be informed iii. Right to choose iv. Right to be heard v. Right to redressal vi. Right to consumer education 	1x5=5	5