

Sample Question Paper
Home Science (216)

Time: 2 ½ hrs

Maximum Marks: 85

Note:

- i. This question paper consists of 47 questions in all.
- ii. All questions are compulsory
- iii. Marks are given against each question
- iv. Section A consists of
 - a. Q.No. 1 to 19 - 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. 20 to 31 - Objective type questions. Attempt these questions as per the instructions given for each of the questions
- v. Section B consists of
 - a. Q.No. 32 to 41- Very Short questions carrying 02 marks each to be answered in the range of 30 to 50 words
 - b. Q.No. 42 to 45 - Short Answer type questions carrying 03 marks each to be answered in the range of 50 to 80 words
 - c. Q.No. 46 and 47 - Long Answer type questions carrying 05 marks each to be answered in the range of 80 to 120 words

S. No.	QUESTIONS	MARKS
Section A		
1.	At what temperature should you freeze meat to keep it safe for a long time? Between _____ - Choose the correct option a) 0°C or below b) 10°C – 50 °C c) 51°C – 100 °C d) 100 °C and above	1
2.	When black pepper adulterated with papaya seeds is added to water- Choose the correct option a) Black pepper will float on water b) Papaya seeds will settle down c) Papaya seeds will float up d) All will settle down.	1





3.	<p>I. You're planning a camping trip and need to pack food that will last. The concept of shelf life of food is related to:</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Freshness of food b) Quality of food c) Decomposition of food d) Time limit for which food can be used <p style="text-align: center;">OR</p> <p>II. Refrigeration is a popular method of preservation. Which principle of food preservation is involved in it?</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Reduction of pH b) Lowering temperature c) Using preservatives d) Removal of water 	1
4.	<p>Your sister had put a packet of carrots and cauliflower in the freezer but it got spoilt after three months. What could be possible reasons for this?</p> <ul style="list-style-type: none"> i. She kept thawing and putting it back after use ii. She stored them in a strong polythene bag. iii. She removed the air from the packet, before sealing iv. She stored them in one large packet <p>Choose the correct option</p> <ul style="list-style-type: none"> a) i and iii b) ii and iv c) ii and iii d) i and iv 	1
5.	<p>The gap of time between the entry of germs in our body and the appearance of symptoms of a disease is known as:–</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Intubation period b) Incubation period c) Curation period d) Resting period 	1

6.	<p>Last week Shanti ate street food. She now has dry white coated tongue with severe headache. She might be suffering from --</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Cholera b) Typhoid c) Hepatitis d) Diarrhoea 	1
7.	<p>The diet of a family member diagnosed with tuberculosis (TB) should be rich in</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Iron b) Calcium c) Iodine d) Carbohydrates 	1
8.	<p>Which of the following does not spread HIV/AIDS infection?</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Using same toilet seat b) Use of infected needles c) Exchange of infected body fluids d) From infected mother to child 	1
10.	<p>I. The white clothes turn yellow when soaked them because they were-</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) soaked for half an hour b) soaked with coloured clothes c) soaked overnight d) soaked tightly with like coloured clothes <p style="text-align: center;">OR</p> <p>II. Which two stains are removed by using borax?</p> <ul style="list-style-type: none"> i. Tea ii. Ink iii. Coffee iv. Betel leaf <p>Choose the correct option</p> <ul style="list-style-type: none"> a) ii & iv b) i & iv 	1

	<p>c) i & iii d) ii & i</p>	
11.	<p>I. What else can you do to save energy while cutting vegetables at the same time?</p> <p>Choose the correct option</p> <p>a) Peel garlic b) Knead dough c) Wash dishes d) Boil eggs</p> <p style="text-align: center;">OR</p> <p>II. Which is the correct sequence of doing the following activities?</p> <p>i. Washing dishes ii. Throwing garbage iii. Empty the pressure cooker iv. Cleaning gas stove</p> <p>Choose the correct option</p> <p>a) ii, iv, i, iii b) iii, iv, i, ii c) i, ii, iv, iii d) iv, iii, ii, i</p>	1
12.	<p>I. Which of the following physical changes is different in adolescent girls and boys?</p> <p>Choose the correct option</p> <p>a) Increase in height b) Facial Hair c) Development of reproductive organs d) Pimples</p> <p style="text-align: center;">OR</p> <p>II. Which activity will adolescents indulge in due to positive peer pressure?</p> <p>Choose the correct option</p> <p>a) Theft b) Substance abuse c) Smoking d) Play games</p>	1

13.	<p>I. What should the parents do to boost self-esteem in their children?</p> <ol style="list-style-type: none"> i. Give full freedom to them ii. Spend quality time with them. iii. Encourage them to participate in activities iv. Scold them for their mistakes. <p>Choose the correct option</p> <ol style="list-style-type: none"> a) i & iii b) ii & iii c) iii & iv d) i & iv <p style="text-align: center;">OR</p> <p>II. How can teenagers have a good relationship with their parents when they argue?</p> <ol style="list-style-type: none"> i. Rude ii. Polite iii. Impatient iv. Respectful <p>Choose the correct option</p> <ol style="list-style-type: none"> a) i & iii b) ii & iv c) iv & iii d) i & ii 	1
14.	<p>I. What will you do if your friend pressures you to smoke, but you don't want to?</p> <ol style="list-style-type: none"> i. Boldly say 'No' ii. Try smoking once iii. Change topic and walk away iv. Apologize to him <p>Choose the correct option</p> <ol style="list-style-type: none"> a) i & iii b) ii & iii c) iii & iv d) i & iv <p style="text-align: center;">OR</p>	1

	<p>II. Radha refused to wear the dress as she knows it has a small stain in the back and thinks everyone would notice it. This is because of –</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Imaginary audience b) Idealism c) abstract thinking d) personal fable 	
15.	<p>The doctors and nurses worked overtime during pandemic. Which two values are seen most prominently in them?</p> <ul style="list-style-type: none"> i. Honesty ii. Punctuality iii. Dedication iv. Empathy <p>Choose the correct option</p> <ul style="list-style-type: none"> a) i and ii b) ii & iii c) iii and iv d) i and iv 	1
16.	<p>Sheela is a very competent worker but lately, she has to keep taking leave to take care of her mother. One of her male colleagues remarked, ‘A woman's place is at home’ What does this comment reflect? Her colleague lacks of which quality?</p> <p>Choose the correct option</p> <ul style="list-style-type: none"> a) Empathy b) Cooperation c) Patience d) Appreciation 	1

<p>17.</p>	<p>I. Which of the following standard mark is not fake ?</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%; text-align: center;">  <p>a)</p> </div> <div style="width: 50%; text-align: center;">  <p>b)</p> </div> <div style="width: 50%; text-align: center;">  <p>c)</p> </div> <div style="width: 50%; text-align: center;">  <p>d)</p> </div> </div> <p><i>Alternative question for Visually Impaired Candidate</i></p> <p>II. Make your sister aware of two ways the vegetable vendor may cheat her</p> <ol style="list-style-type: none"> i. Uses stones instead of weight ii. Bargains prices iii. Soaks vegetables in water iv. Sells at market price <p>Choose the correct option</p> <ol style="list-style-type: none"> a) i and iii b) ii and iii c) iii and iv d) i and iv 	<p>1</p>
<p>18.</p>	<p>Sita got hurt when the new pressure cooker burst open. Which of her consumer right got violated?</p> <p>Choose the correct option</p> <ol style="list-style-type: none"> a) Right to Education b) Right to Safety c) Right to Redressal d) Right to Information 	<p>1</p>

19	<p>How can a one-room house appear spacious?</p> <p>Choose the correct option</p> <p>a) Use light-coloured walls b) Install large mirrors c) Opt for multi-use furniture d) All of the above</p>	1										
20	<p>Fill in the blanks.</p> <p>i. Your mother bought fresh bananas but after a few days, they all turned black. This may be due to_____</p> <p>ii. To prevent pickles from getting spoilt, we should never_____.</p>	2										
21.	<p>I. Write True and False against the following statements:</p> <p>i. Statement 1: Addition of spices to pickles allows microorganisms to grow quickly.</p> <p>ii. Statement 2: When making squashes, we make use of an acid and a lot of sugar for preservation.</p> <p>iii. Statement 3: Sterilization increases the activity of enzymes and micro-organisms.</p> <p>iv. Statement 4: Refrigeration reduces the activity of enzymes and microorganisms.</p> <p style="text-align: center;">OR</p> <p>II. Match the items in Column A with those in Column B:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Column A</th> <th style="text-align: center;">Column B</th> </tr> </thead> <tbody> <tr> <td>i. Natural preservative</td> <td>A. Removing moisture</td> </tr> <tr> <td>ii. Chemical preservative</td> <td>B. Sunlight</td> </tr> <tr> <td>iii. Dehydration</td> <td>C. Salt</td> </tr> <tr> <td>iv. Increasing temperature</td> <td>D. Potassium metabisulphite</td> </tr> </tbody> </table>	Column A	Column B	i. Natural preservative	A. Removing moisture	ii. Chemical preservative	B. Sunlight	iii. Dehydration	C. Salt	iv. Increasing temperature	D. Potassium metabisulphite	2
Column A	Column B											
i. Natural preservative	A. Removing moisture											
ii. Chemical preservative	B. Sunlight											
iii. Dehydration	C. Salt											
iv. Increasing temperature	D. Potassium metabisulphite											

	<p>Choose the correct option</p> <p>a) i. C ii. D iii. A iv. B b) i. A ii. D iii. C iv. B c) i. C ii. A iii. D iv. B d) i. B ii. D iii. A iv. C</p>					
22.	<p>I. Which of the following options best describes the relationship between the Assertion and Reason statements given below?</p> <p>i) Assertion: Communicable diseases are caused by infection and can spread from one person to another.</p> <p>Reason: These diseases are highly contagious and can be transmitted through touch, air, food, water, or sexual contact.</p> <p>Choose the correct option</p> <p>a) Both Assertion and Reason are true b) Both Assertion and Reason are false c) Assertion is correct/true but Reason is false d) Assertion is false but Reason is correct /true</p> <p>ii) Assertion: Life style diseases are non-communicable and do not spread from one person to another.</p> <p>Reason: These diseases are caused by faulty eating and living habits, such as obesity, diabetes, and hypertension.</p> <p>Choose the correct option</p> <p>a) Both Assertion and Reason are true b) Both Assertion and Reason are false c) Assertion is correct/true but Reason is false d) Assertion is false but Reason is correct /true</p> <p style="text-align: center;">OR</p> <p>II. Match column A items with their descriptions in column B:</p> <table border="1"> <thead> <tr> <th>Column A</th> <th>Column B</th> </tr> </thead> <tbody> <tr> <td>A. Disease</td> <td>i. The stage of HIV infection where the virus has completely destroyed the person's defence system.</td> </tr> </tbody> </table>	Column A	Column B	A. Disease	i. The stage of HIV infection where the virus has completely destroyed the person's defence system.	2
Column A	Column B					
A. Disease	i. The stage of HIV infection where the virus has completely destroyed the person's defence system.					

	<table border="1"> <tr> <td>B. Communicable diseases</td> <td>ii. A state of discomfort in which the normal functioning of the body is affected.</td> </tr> <tr> <td>C. Lifestyle diseases</td> <td>iii. Diseases that can be transmitted from one person to another.</td> </tr> <tr> <td>D. Acquired Immuno Deficiency Syndrome (AIDS)</td> <td>iv. Diseases that are a result of faulty eating and living habits.</td> </tr> </table> <p>Choose the correct option</p> <p>a) A ii B iii C i D iv b) A i B ii C iii D iv c) A iii B ii C i D iv d) A ii B iii C iv D i</p>	B. Communicable diseases	ii. A state of discomfort in which the normal functioning of the body is affected.	C. Lifestyle diseases	iii. Diseases that can be transmitted from one person to another.	D. Acquired Immuno Deficiency Syndrome (AIDS)	iv. Diseases that are a result of faulty eating and living habits.			
B. Communicable diseases	ii. A state of discomfort in which the normal functioning of the body is affected.									
C. Lifestyle diseases	iii. Diseases that can be transmitted from one person to another.									
D. Acquired Immuno Deficiency Syndrome (AIDS)	iv. Diseases that are a result of faulty eating and living habits.									
23..	<p>I. Match the following types of finishes with their descriptions:</p> <table border="1"> <tr> <td>A. Scouring</td> <td>i. Makes fabric heavier, stiff, and crisp.</td> </tr> <tr> <td>B. Bleaching</td> <td>ii. Washing fabric with soap and chemicals to remove impurities</td> </tr> <tr> <td>C. Starching</td> <td>iii. A chemical treatment to remove yellowing</td> </tr> <tr> <td>D. Calendering</td> <td>iv. Smoothing and polishing the fabric surface</td> </tr> </table> <p>Choose the correct option</p> <p>e) A ii B iii C i D iv f) A i B ii C iii D iv g) A iii B ii C i D iv h) A ii B iii C iv D i</p> <p style="text-align: center;">OR</p>	A. Scouring	i. Makes fabric heavier, stiff, and crisp.	B. Bleaching	ii. Washing fabric with soap and chemicals to remove impurities	C. Starching	iii. A chemical treatment to remove yellowing	D. Calendering	iv. Smoothing and polishing the fabric surface	2
A. Scouring	i. Makes fabric heavier, stiff, and crisp.									
B. Bleaching	ii. Washing fabric with soap and chemicals to remove impurities									
C. Starching	iii. A chemical treatment to remove yellowing									
D. Calendering	iv. Smoothing and polishing the fabric surface									

	<p>II. State True or False (attempt any 4)</p> <ol style="list-style-type: none"> i. Scouring is a finish used to clean the fabric ii. Bleaching has no damaging effect on the fabric. iii. Shrinkage control can be done at home also. iv. Organdy is a permanently stiff fabric. v. Mercerized thread should be used for stitching 	
24.	<p>I. You are using decorative dyeing techniques to achieve different designs. Name the decorative dyeing techniques matching with the following descriptions:</p> <ol style="list-style-type: none"> i. Threads used as a resist material to stop dye from entering selected areas of the fabric ii. _____ Wax used as a resist material to prevent dye from colouring certain areas of the fabric _____ <p style="text-align: center;">OR</p> <p>II. Which of the following options best describes the relationship between the Assertion and Reason statements given below?</p> <ol style="list-style-type: none"> i. Assertion: Mercerization is a finish that makes cotton fabrics smooth, shiny, and strong. Reason: Mercerization is a chemical treatment given to fabrics to remove yellowing. Choose the correct option <ol style="list-style-type: none"> a) Both Assertion and Reason are true b) Both Assertion and Reason are false c) Assertion is correct/true but Reason is false d) Assertion is false but Reason is correct /true ii. Assertion: Textile finishes are applied to improve the appearance and performance of fabrics. Reason: Finishes can change the fabric's look, feel, and functionality to make it more suitable for its intended use. Choose the correct option <ol style="list-style-type: none"> a) Both Assertion and Reason are true b) Both Assertion and Reason are false c) Assertion is correct/true but Reason is false 	2

d) Assertion is false but Reason is correct /true		
25.	State whether the following statements are True or False. i. Time and energy are closely related to each other. ii. Time can be utilized more effectively if time-plan is not made. iii. When we combine two or three activities together it is known as dovetailing. iv. While preparing time-plan there is no need to think about the number of activities to be performed.	2
26.	Sunita is unable to finish her housework and gets exhausted by the end of the day. What two work simplification procedures or strategies can help Sunita manage her housework more efficiently?	2
27.	Identify whether the following statements are True/False (Attempt any 4) i. Children should not be educated about the changes during adolescence as it may distract them. ii. Malini should not play outdoor games during menstruation. iii. Sohail's brother makes him feel guilty by saying that nocturnal emission happens to those who have sexual fantasies. iv. Girls should eat iron-rich foods. v. A girl cannot become pregnant before her first period. vi. Genital hygiene is important for both boys and girls.	2
28.	I. Neha got very angry when her parents did not allow her to go out with her friends. She threw her books on the floor, shouted at everyone and refused to eat her food. How can Neha convince her parents, suggest two methods? OR II. Sudha is very conscious of her dark complexion. She avoids interacting with people around her. Give four suggestions to Sudha which can help build positive self-esteem.	2
29.	Complete the following statements giving appropriate reasons (attempt any 4):- i. Engaging in high-risk behaviours is dangerous because _____ ii. Keeping communication channels open with parents is important because _____ iii. During adolescence, friends become very important because _____ iv. Positive peer pressure should be encouraged because _____ v. A clash between parents and adolescents could occur because _____	2

30.	Your sister was working as a fashion designer but had to stop working. Suggest four self-employment opportunities which can enhance her skills.	2
31.	Swachh Bharat Mission aims for the safe management of solid and liquid waste in towns and villages. Give two options of safe disposal of human excreta along with their advantages or drawbacks.	2
Section B		
32	What are the two ways in which a positive attitude can improve our daily lives?	2
33	What is the Maximum Retail Price (MRP) and why is it important for consumers?	2
34	How is fermentation done? What are the two advantages of consuming fermented foods?	2
35	Write one cooking practice that improves the nutritive value of foods and one that destroys it?	2
36.	I. Inform your neighbours about the latest garbage disposal technology, mentioning one advantage and one disadvantage. OR II. List two ways to reduce smoke pollution in your neighbourhood.	2
37.	I. Which four precautions will you adopt while using chemicals for removing stains from an expensive dress? OR II. How should clothes be stored to prevent the growth of fungus and bacteria?	2
38.	I. Your uncle wants to build a house. Which four criteria should he check while selecting a site to ensure comfortable living? OR II. Which method do you suggest for the disposal of human excreta and waste water and why?	2
39.	Spending pattern of each family is unique. Analyze any four factors that would influence the spending plan of a family.	2
40.	Mr. Sharma is a teacher. He lives in a rented accommodation with his wife, and two school-going children. Help him make a list of four items or services on which his income will be spent.	2
41.	I. Your grandfather has come to stay with you for a month. Give four suggestions to meet his social and emotional needs OR II. How can a mother maintain good relationships with her daughter-in-law? Give four suggestions.	2
42.	Write three aspects of a house that help in maintaining hygiene.	3
43.	Write any two differences between deep and shallow frying. Mention one dish made by each method.	3

44.	<p>I. In what six ways can the citizens help in reducing noise pollution?</p> <p style="text-align: center;">OR</p> <p>II. What six measures can be adopted in the households and factories to control air pollution?</p>	3
45.	<p>I. Rakesh does not want to burden his parents. He wants to save money for his higher studies. Give him any six suggestions to cut down his expenses.</p> <p style="text-align: center;">OR</p> <p>II. You are helping your friend organize his/her money. Write down three important things a good budget should have.</p>	3
46.	<p>I. Compare benefits of breast feeding and bottle feeding, list five each.</p> <p style="text-align: center;">OR</p> <p>II. List any five vaccines recommended for a new born baby under the National Immunization Schedule. State the diseases that they prevent.</p>	5
47.	<p>I. Your brother is heading to a hostel. Provide him with advice on washing both winter and summer clothes, with a list of five precautions for each.</p> <p style="text-align: center;">OR</p> <p>II. You need to wash both synthetic and coloured cotton clothes. List five washing methods for each, considering their specific requirements.</p>	5

-----X-----X-----X-----

Marking Scheme

S. No.	QUESTIONS	Distribution of marks	MAR
1.	a) 0°C or below	1	1
2.	c) papaya seeds will float up	1	1
3.	I. d) time limit for which food can be used OR II. b) Lowering temperature	1	1
4.	d) i and iv	1	1
5.	b) Incubation period	1	1
6.	b) Typhoid	1	1
7.	b) Calcium	1	1
8.	a) Using same toilet seat	1	1
9.	I. a) i and ii OR II. b) Water, salt and sugar	1	1
10.	I. b) soaked with coloured clothes OR II. c) i & iii	1	1
11.	I. d) Boil eggs OR II. b) iii, iv, i, ii	1	1
12.	I. b) Facial Hair OR II. d) Play games	1	1
13.	I. b) ii & iii OR II. b) ii & iv	1	1
14.	I. a) i & iii OR II. a) Imaginary audience	1	1
15.	c) iii & iv	1	1
16.	a) Empathy	1	1
17.	I. d) <i>Alternative Question for Visually Impaired Candidate</i>	1	1

	II. a) i & iii		
18.	b) Right to Safety	1	1
19.	d) all the above	1	1
20.	i. Enzyme action ii. use wet spoons	1x2=2	2
21.	I. i. False; ii. True; iii. False; iv. True OR II. a) i. C ii. D iii. A iv. B	$\frac{1}{2} \times 4=2$ OR 2	2
22.	I. i. a) Both Assertion and Reason are true ii. a) Both Assertion and Reason are true OR II. d) A ii B iii C iv D i	1+1=2 OR 2	2
23.	I. a) A ii B iii C i D iv OR II. (attempt any 4) i. True, Scouring is washing fabric with soap and chemicals to remove all impurities. ii. False, Bleaching has to be done very carefully. It destroys the colour. Strong bleach can damage the fabric to some extent. iii. True, soaking the fabric overnight and drying it causes shrinkage. iv. True, this is due to a permanent finish called Parchmentisation. v. True, mercerization makes cotton smooth, shiny and strong.	2 OR $\frac{1}{2} \times 4=2$	2
24.	I. i) Tie and dye; ii) Batik OR II. i. c) Assertion is correct/true but Reason is false ii. a) Both Assertion and Reason are true	1+1=2	2
25.	i. True ii. False. Time can be utilized effectively only if time schedule is prepared. iii. True	$\frac{1}{2} \times 4=2$	2

	iv. False. Considering number of activities to be performed in very important while preparing time schedule.		
26.	(Any two) <ul style="list-style-type: none"> ● cutting out extra movements ● developing work skills ● adopting correct postures ● working at proper height ● keeping things within reach ● use of proper equipments and labour saving devices 	1+1=2	2
27.	(Attempt any 4) <ol style="list-style-type: none"> i. False ii. False iii. False iv. True v. False vi. True 	$\frac{1}{2} \times 4=2$	2
28.	I. Neha should ask them the reason for not allowing her. Understand their point of view. She should have not thrown her books, eaten her food and talk politely with all. OR II. (Any 4) <ul style="list-style-type: none"> ● Realize that certain physical aspects in you cannot be changed. ● Spend time analyzing your strong points and appreciate your strengths ● Do not indulge in self-pity ● Eat healthy and exercise ● Take advice from a trusted friend or a trained counsellor 	1+1=2 OR $\frac{1}{2} \times 4=2$	2
29.	(attempt any 4) <ol style="list-style-type: none"> i. STD, HIV, behind bars, any other ii. prevents misunderstanding between both parents and children 	$\frac{1}{2} \times 4=2$	2

	<ul style="list-style-type: none"> iii. they go through the same phase and understand each other iv. it encourages healthy competition and boosts their ego v. they do not talk freely / do not respect each other 		
30.	<p>Four self employment opportunities which can enhance her skills.</p> <ul style="list-style-type: none"> i. Open own boutique ii. Knitting unit iii. Embroidery unit iv. Screen printing/ block printing v. Tie and dye unit 	$\frac{1}{2} \times 4 = 2$	2
31.	<p>Any two options of safe disposal of human excreta:</p> <p>a) Water closet – is a sanitary installation for reception of human excreta which removed through water carriage system (flushed by water through drains and sewers costs too much. Drawback - It requires a lot of water.</p> <p>b) Septic tank - This method involves constructions of concrete tank or pits. Household drains are connected to these pits. The logo of “Sulabh Shauchalaya”. These toilets are based upon the principle of septic tanks. Advantage – hygienic, low cost, easy to make, free from foul smell, does not pollute surface water, needs 1.5 to 2 liters to flush, sludge turned into manure (any one)</p> <p>c) Pit latrine - more than 3 meters pit is dug to receive human excreta concrete platform with raised foot stand made around the opening of hole. Hole covered with lid. drawback – pollutes ground water, not hygienic, pit may fill quickly if made in sandy soil..</p>	$1 \times 2 = 2$	2
32	<ul style="list-style-type: none"> ● A positive attitude enables us to approach challenges with optimism, find solutions to problems, and maintain a healthy mindset. ● It helps us overcome obstacles and build resilience. 	$1 + 1 = 2$	2

	(any 2)		
33	MRP is the Maximum Retail Price, which is the highest price at which a shopkeeper can sell a product to consumers. MRP is important for consumers because it ensures that they are not overcharged for products, as shopkeepers are not allowed to charge more than the printed MRP. It also mentions that MRP includes all taxes.	1+1=2	2
34	Fermentation – curd or yeast is mixed to foods (maida) kneaded in a dough and kept covered for few hours until microorganisms begin to grow at a fast rate Advantages: (any two) <ul style="list-style-type: none"> ● Digestible ● Spongy and soft ● Breaks proteins and carbohydrates and makes it easy to digest 	1+ ½ +½=2	2
35	<ul style="list-style-type: none"> ● Cooking practices that enhance the nutritive value of foods include steaming, simmering, and baking, as they help retain the nutrients in the food. ● On the other hand, deep-frying and overcooking can destroy the nutritive value of foods by causing nutrient loss or degradation. 	1+1=2	2
36.	<p>I. Incineration. Advantage- It is sterile and safe. Garbage is reduced to a relatively small heap of ash. Disadvantage- This is an expensive method as it requires lot of fuel</p> <p>OR</p> <p>II. Ways to reduce smoke pollution</p> <ul style="list-style-type: none"> ● using smokeless fuels, ● promoting the use of clean energy sources, ● ensuring proper maintenance of vehicles to minimize emissions, and ● implementing regulations on industrial emissions. (any two) 	1+½+½=2 OR 1+1=2	2
37.	I. (any 4)	½ x 4=2	2

	<ol style="list-style-type: none"> i. remove when fresh ii. Use suitable chemical iii. test chemical in hidden corner iv. Apply chemical from back v. Use mild Chemical vi. Rinse the chemicals <p>OR</p> <p>II. Clothes should be stored only after they are completely dry. Damp clothes should not be stored as they can promote the growth of fungus and bacteria. It is recommended to spread the clothes in fresh air after ironing until they are completely dry before storing them in a cupboard or box.</p>	<p>OR</p> <p>1+1=2</p>	
38.	<p>I. (Any four)</p> <ol style="list-style-type: none"> i. Neighbourhood – developed – has all facilities. ii. Physical features - away from main road/heavy traffic, elevated site. iii. Soil – strong foundation firm soil till 2 to 5 feet below the surface, avoid sandy and gravel type soils, choose rocky foundation. iv. Sanitary requirements – not on land refill, no garbage, firm soil elevated to level of road v. Practical convenience- transport connectivity have all amenities like banks, post office etc within reach. <p>OR</p> <p>II. Method for the disposal of human excreta and waste water-</p> <ul style="list-style-type: none"> ● The suggested method for the disposal of human excreta and waste water is through a proper sewage system or septic tank. ● This method ensures hygienic and safe disposal, preventing the spread of diseases and contamination of water sources. 	<p>$\frac{1}{2} \times 4=2$</p> <p>OR</p> <p>1+1=2</p>	2
39.	Any four	$\frac{1}{2} \times 4=2$	2

	<ul style="list-style-type: none"> ● Income - more income more money spent ● Size of family – more members less money spent on luxuries ● Age - school going children – more money spent on books, fees, old – more on medical ● Place of residence - high rents in big cities ● Skills – pay less on services as can do own work 				
40.	(Any four) food, housing, clothing, education, transport, medical, expenses, entertainment, and others	$\frac{1}{2} \times 4=2$	2		
41.	<p>I. (any four)</p> <ol style="list-style-type: none"> Spend time Help in doing tasks Moral support Encourage Involve in decision making Respect their views <p>OR</p> <p>II. Suggestions: (any4)</p> <ul style="list-style-type: none"> ● By helping with the household chores, ● create a positive environment in the family. ● shows support and care, ● reduces the workload of the daughter-in-law, ● allows her to feel appreciated and valued in the family. 	$\frac{1}{2} \times 4=2$ OR $\frac{1}{2} \times 4=2$	2		
42.	<ol style="list-style-type: none"> Light: Proper lighting is important to perform various activities in the house. Sunlight kills germs and removes dampness. Insects cannot thrive in light. Ventilation: Ventilation helps to circulate fresh air and drives out foul air. It helps to remove smoke, bad smells, moisture and fumes. Sanitation: Clean surroundings keep insects and germs away. It ensures there is no dust, cobwebs and all surfaces get disinfected. 	$1 \times 3=3$	3		
43.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Deep frying</td> <td style="width: 50%; padding: 5px;">Shallow frying</td> </tr> </table>	Deep frying	Shallow frying	$1+1+\frac{1}{2}+\frac{1}{2}=3$	3
Deep frying	Shallow frying				

	<table border="1"> <tr> <td>i. Food immersed in oil</td> <td>very little oil used to</td> </tr> <tr> <td>ii. Done in skillet</td> <td>Done on pan /tawa</td> </tr> <tr> <td>iii. Faster</td> <td>Slower</td> </tr> <tr> <td>Any two differences</td> <td></td> </tr> <tr> <td>dishes – pakoras, samosa (any one)</td> <td>Tikki, parantha (any one)</td> </tr> </table>	i. Food immersed in oil	very little oil used to	ii. Done in skillet	Done on pan /tawa	iii. Faster	Slower	Any two differences		dishes – pakoras, samosa (any one)	Tikki, parantha (any one)		
i. Food immersed in oil	very little oil used to												
ii. Done in skillet	Done on pan /tawa												
iii. Faster	Slower												
Any two differences													
dishes – pakoras, samosa (any one)	Tikki, parantha (any one)												
44.	<p>I. (Any six)</p> <ul style="list-style-type: none"> i. Do not play loud music ii. Play TV at low volume iii. Avoid loudspeakers iv. Do not blow horn unnecessarily v. Talk softly vi. Keep phone on vibration mode vii. Construction activity (hammering, cutting tiles) may be avoided on weekend viii. Build factories away from cities ix. Any other <p>OR</p> <p>II. (Any six)</p> <ul style="list-style-type: none"> i. Use a smokeless chulha at home. Provide a tall chimney to the chulha to carry the smoke away. ii. Use biogas which is a smokeless fuel. iii. Use a solar cooker at home which uses heat from the sunlight. iv. Factories should have chimney filters. This will help in trapping the poisonous substances in the gases that are let out by the factories. v. Factories emitting smoke must be located far away from the residential areas. 	$\frac{1}{2} \times 6 = 3$	3										

	<ul style="list-style-type: none"> vi. Vehicles must be fitted with special devices to reduce air pollution. vii. Use unleaded petrol and CNG (Compact Natural Gas) for private and public transport. viii. Garbage should not be burnt. It should be disposed of hygienically, preferably through sanitary landfills. ix. Roads must be pucca so that dust does not rise and mix with air. x. Trees should be planted and cared for, so that these keep the air fresh and pure. xi. Crops should be grown in the fields all the year round so that the soil is not exposed to erosion. 		
45.	<p>I. (any six)</p> <ul style="list-style-type: none"> i. Eat homemade food ii. Do not waste food iii. Iron and wash own clothes/instead of dhobi iv. Use public transport/cycle/walk if possible v. Use public library vi. Avoid impulsive buying/do not buy branded clothes, shoes vii. Do not go to cinema hall /watch movies on phone <p>OR</p> <p>II. Characteristics of a good budget (any 3)</p> <p>a. Accurate estimates of income: Find the exact amount of income that will be available to you for expenditure.</p> <p>b. Accurate estimates of expenditure: The expenditure estimate should be as accurate as possible. Look up the budget of the previous years or the records of past expenditures and savings.</p> <p>c. Reasonably accurate allocation of money: The resources on expenditures side should be reasonably</p>	$\frac{1}{2} \times 6 = 3$ OR $1 \times 3 = 3$	3

	<p>accurate; the family must be able to determine its present needs and wants and anticipate future changes</p> <p>d. Flexible: A budget is made flexible by allowing sufficient margin on certain items.</p>																										
46.	<p>I. Benefits of breastfeeding and bottle feeding.</p> <table border="1"> <thead> <tr> <th>Breast feeding</th> <th>Bottle feeding</th> </tr> </thead> <tbody> <tr> <td>Adequate nutrients/balanced</td> <td>May not be balanced unless fortified</td> </tr> <tr> <td>Hygienic</td> <td>Bottles need to be sterilized</td> </tr> <tr> <td>Right temperature</td> <td>Need to be adjusted</td> </tr> <tr> <td>Contain antibodies</td> <td>Does not contain antibodies</td> </tr> <tr> <td>Special bond between mother and baby</td> <td>No bond</td> </tr> </tbody> </table> <p>OR</p> <p>II. Vaccines recommended for a newborn baby under the National Immunization Schedule: (any 5)</p> <table border="1"> <thead> <tr> <th>Primary Vaccine</th> <th>Disease prevented</th> </tr> </thead> <tbody> <tr> <td>BCG</td> <td>TB</td> </tr> <tr> <td>Oral Polio</td> <td>Polio</td> </tr> <tr> <td>DPT</td> <td>Diphtheria, Pertussis, Tetanus</td> </tr> <tr> <td>Hepatitis B*</td> <td>Jaundice</td> </tr> <tr> <td>MMR</td> <td>Measekes, Mumps, Rubela</td> </tr> </tbody> </table>	Breast feeding	Bottle feeding	Adequate nutrients/balanced	May not be balanced unless fortified	Hygienic	Bottles need to be sterilized	Right temperature	Need to be adjusted	Contain antibodies	Does not contain antibodies	Special bond between mother and baby	No bond	Primary Vaccine	Disease prevented	BCG	TB	Oral Polio	Polio	DPT	Diphtheria, Pertussis, Tetanus	Hepatitis B*	Jaundice	MMR	Measekes, Mumps, Rubela	1x5=5	5
Breast feeding	Bottle feeding																										
Adequate nutrients/balanced	May not be balanced unless fortified																										
Hygienic	Bottles need to be sterilized																										
Right temperature	Need to be adjusted																										
Contain antibodies	Does not contain antibodies																										
Special bond between mother and baby	No bond																										
Primary Vaccine	Disease prevented																										
BCG	TB																										
Oral Polio	Polio																										
DPT	Diphtheria, Pertussis, Tetanus																										
Hepatitis B*	Jaundice																										
MMR	Measekes, Mumps, Rubela																										

47.	<p>I.</p> <p>Precautions for woolens :</p> <ol style="list-style-type: none"> i. Do not soak ii. Draw Outline before washing iii. Use mild detergent iv. Do not scrub v. Do not wring vi. Dry flat vii. Use press and lift/ do not slide for ironing(any 5) <p>Precautions for cottons :</p> <ol style="list-style-type: none"> i. Do not soak for too long ii. Soak like coloured clothes iii. Do not put very dirty clothes with clean clothes iv. Mend before washing v. Dry in shade vi. Iron damp vii. Store when completely dry (any 5) <p>OR</p> <p>II.</p> <p>Laundering of coloured cottons</p> <ol style="list-style-type: none"> i. Do not soak cottons, especially when their colour bleeds. ii. Use mild or neutral soap for washing. iii. Wash using kneading and squeezing method. iv. Rinse thoroughly and apply starch after turning clothes inside out in the last rinse. v. Dry in shade. vi. Iron clothes after making then evenly damp. vii. Store clothes when completely dry. <p>Laundering of Synthetics</p> <ol style="list-style-type: none"> i. Use luke-warm or cold water. Do not use hot water as synthetics will wrinkle very badly. ii. Use any good soap, light pressure and light rubbing while washing. 	2½+2½=5	5

	<ul style="list-style-type: none">iii. Rinse well in cold water to remove soap completely.iv. To avoid wrinkles, do not squeeze tightly.v. Preferably dry on a hanger. It will help to maintain the original shape.vi. When dry, if necessary, iron with a warm iron and not a hot onevii. Store when completely dry		
--	--	--	--

-----X-----X-----X-----