

Marking Scheme 2016 (Outside Delhi) Code 69

Home science class XII

1. The marking scheme carries only suggested value points for the answers. These are only Guidelines and do not constitute the complete answer. The student can have their own expression and if the expression is correct, the mark is awarded accordingly.
2. Candidates are permitted to obtain photocopy of the Answer Book on request and on payments of the prescribed fee. All Examiners/ Head examiners are once again reminded that they must ensure that evaluation is carried out strictly as per value points for each answer as given in the marking scheme.
3. All the head Examiners/ Examiners are instructed that while evaluating the answer scripts, if the answer is found to be totally incorrect, should be marked on the incorrect answer and awarded 0 marks.

1. Convince a lactating woman to eat foods rich in zinc with two reasons.
 - I. Builds immunity
 - II. Help in DNA/RNA synthesis
 - III. Foetal development/ prevent foetal deformation. [½ x2=1]
2. List two sources a family can use to increase its indirect real income.
 - I. Perks/ fringe benefits by company
 - II. Exchange/ barter system
 - III. Any other [½ x2=1]
3. Apart from poor quality, list two other drawbacks of buying electrical items from roadside vendors.
 - I. Consumer will not get guarantee
 - II. Will not get bill/ no proof of purchase
 - III. Cannot file a complaint
 - IV. Consumer cannot trace the vendor (any two) [½ x2=1]
4. List two signs of a good drape in a skirt.
 - I. Falls evenly
 - II. No puckering
 - III. Pleats are reinforced.
 - IV. Print is visible/ not hidden
 - V. Deep & even pleats.
 - VI. Heavy hemline
 - VII. Cut along the grain
 - VIII. Fabric is soft and flowy/ not stiff. (any two) [½ x2=1]
5. In what two ways have the village women benefitted from MGNREGA?
 - I. Provides at least 100-150 days of guaranteed wage employment in each financial year.
 - II. Will get unemployment allowance
 - III. Builds infrastructure for the village -provide toilets, better water supply, roads .
 - IV. 1/3rd beneficiary are women. (any two) [½ x2=1]
6. Name two occupations you can choose after being trained in the area of fabric and apparel science.
 - I. Fashion designer
 - II. Printer (tie & dye/ block/ screen printer etc.)
 - III. Tailor
 - IV. Embroider
 - V. Any other (any two) [½ x2=1]

7. Twenty five year old Seema has started staying away from her family because of her new job. List two problems which she is likely to face at work. Suggest her two ways to cope with her responsibilities.

Problems faced at home:

- I. May not be able to cope with new responsibilities/ pressures at work.
- II. May not adjust with colleagues
- III. Problem of time management/adjust her timing to her office.
- IV. Manage household chores along with job
- V. Energy management
- VI. Open to new ideas/ try to understand other point of view
- VII. Any other

(any two)

Suggestions

- I. Updates herself on skills knowledge required / open to suggestions/ideas.
- II. Cooperate/ adjust with colleagues.
- III. Participate in group activities/ learn to manage time
- IV. Any other

(any two)

[1/2 x4=2]

8. Your grandfather has come to stay with you for six months. In what four ways his physical needs can his physical needs be met.

- I. Make arrangement to practice yoga/ exercise/ walks.
- II. Serve balanced/ nutritious meals
- III. Health checkups
- IV. Facilities help/ nurse for giving medicines in time
- V. Any other

(any four)

[1/2 x4=2]

9. Anger is one emotion that can break relationships. Suggest four ways you can take if you want to avoid this to happen.

- I. Acknowledge that person has a problem of anger.
- II. Do not react immediately
- III. Move away from the scene.
- IV. Deep breathing/meditation.
- V. Divert attention – listen to music/ gardening.
- VI. Write down thoughts/ talk to someone trustworthy.
- VII. Try to see reason of other person's anger.

(any four)

[1/2 x4=2]

10. What four points would you keep in mind while planning meals for an adolescent girl? (2)

- I. Rich in protein, iron and calcium / nutritionally balanced.
- II. According to her likes and tastes
- III. Attractive
- IV. Variety
- V. Any other

(any four)

[1/2 x4=2]

11. Make a cook aware of any such four ways which can ensure there are no cockroaches in the kitchen.

- I. Spray insecticides frequently.
- II. Do not leave dirty used utensils at night in kitchen.
- III. Seal all crevices
- IV. Install cockroach traps in drains
- V. Immediately wipe any spills
- VI. Empty dustbins daily
- VII. Keep the dustbin clean and covered

(any four)

[1/2 X4=2]

12. While buying turmeric which standard mark should you check on its label? In the absence of this mark, state the adulterant which may be found in it. Mention two health hazards of consuming such adulterated turmeric.

Standard mark

- I. Agmark / FSSAI (1\2)
- II. Adulterant –metanil yellow (1\2)

Health hazards

- I. Can cause cancer
- II. Deformities of bones
- III. Degeneration of reproductive organs
- IV. Sterility
- V. Anaemia
- VI. Mental retardation
- VII. Lead accumulation in blood (any two)

[½ x4=2]

13. A family has been served chick peas, rice and boondi raita for lunch. How far this meal is adequate for a pregnant woman in her second semester of pregnancy? Give two suggestions to make this meal adequate for her.

Chick peas	More chick peas (protein) with less spices add coriander leaves/ palak for iron / folic acid/ vitamin A/ any other
Rice	Add carrot (for vit A) and broccoli for folic acid and zinc/ any other
Boondi raita	Give more curd (calcium) add pomegranate (iron) pineapple (vitamin C), nuts(protein, calcium. calories)/ any other

Any four relevant suggestions/ any other

[

½ x4=2]

14. Namita is an adolescent girl who suffers from convulsions. Her arms have many needle prick marks. What do you think she is suffering from? What could be its two possible health hazards if this condition continues for long time? In what three ways can she be helped to come out of this condition?

Cause: drug/ substance abuser

[½ mark]

Health hazard (other than convulsions)

- I. Increased blood pressure
- II. Cirrhosis of liver/ liver damage.
- III. Cancer
- IV. AIDS
- V. Heart attack (any two)

Can be helped by following

- I. Encouraged to lead healthier lifestyle
- II. Admit in rehabilitation centre.
- III. Should be counseled
- IV. Channelize her energy (any three)
- V. Spent time with her.
- VI. Keep an eye on her friends
- VII. Give quality time to her
- VIII. Family member should have patience with her.

[½ x6=3]

15. For purifying her drinking water, Geeta has been using chlorine tablets. Now she wants to buy a reverse osmosis filter. Compare the advantages and drawback of both these methods and state whether her decision is right or not.

Choose one option (A Or B) with complete justification.

A

Selecting chlorine tablets	Not selecting R.O.
1. Doesn't need space	Need space for installation
2. Cheaper	Expensive
3. Can be used while travelling	Fixed at home
4. Doesn't need electricity	Needs electricity
5. Water doesn't get wasted	Water gets wasted
6. No technical help required	Technical help for installation

(any three)

OR

B

Selecting R.O.	Not selecting chlorine tablets
1. Removes virus, pesticides, lead	Doesn't remove lead, pesticides
2. Enhances taste	Gives odour if used in excess
3. Lasts longer	May get expired, gets moist easily
4. Suspended impurities are removed	Suspended impurities are not removed
5. No harm in usage	Excessive use may lead to stomach upset
6. Can be used in hard water	Can't be used in hard water

(any three)

[1x3=3]

16. Mention four distinct characteristics of sixteen year old girls. Explain fully the impact of media on establishing their identity.

Characteristics of sixteen year old adolescents:

- I. Moodiness
- II. Egocentrism
- III. Personal fable
- IV. Imaginary audience
- V. More importance to peers
- VI. Any four developmental changes from any domain (any four)

($\frac{1}{2} \times 4 = 2$)

Impact of mass media

- I. More updated and aware
- II. Technology savvy / have no phobia for technology.
- III. Body image – talk , dress as their celebrities
- IV. Anorexia and bulimia eat junk food
- V. Demand for branded clothes/ phones, etc
- VI. Any other (any four)

($\frac{1}{2} \times 4 = 2$)

(2+2=4)

17. A family with two adolescent boys lives in a remote area. Elaborate how the choice of their food gets influenced by their culture, food practices, media and peer group?

- I. Culture – food selection is influenced by culture e.g. During navratras people refrain from eating wheat flour and eat buckwheat flour (kuutu ka atta sendha salt instead of iodised salt. Any other examples.
- II. Food practices – in many families spices are roasted before grinding and using them. Any other examples.
- III. Media – whatever food is shown on the television, youngsters want to buy eat that
- IV. Peer group – will like to try new things with their friends, may start liking that food

[1x4=4]

18. On the basis of which two clinical symptoms does a doctor diagnose that a person is suffering from diabetes? Why is the food cooked for the family not suitable for him? Suggest two important dietary changes in a meal which can help to meet the needs of this person.

Clinical symptoms

- I. Delayed healing of wounds and cuts.
- II. Frequent urination
- III. Excessive thirst (any two) 1 mark

Reasons why food cooked in family is not suitable:- Meals

- I. May have simple sugars
- II. May not have enough fibre
- III. May have too much fat / fried food
- IV. Any other (any two) 1 mark

Dietary tips:

- I. Add more protein eg. Milk and milk products, soyabean and pulses
- II. Reduce fat and carbohydrate food
- III. Avoid sugar
- IV. Eat only permitted fruits / artificial sweetener
- V. Plenty of liquids.
- VI. Give high fiber diet / complex CHO
- VII. Include salads (any two) 2 marks
(1+1+2=4)

19. Your mother wants to supplement her family income. What are two possibilities available to her for achieving this objective? Using three examples from each possibility explain how she can achieve her objective.

Two possibilities: 1 mark

- I. Investing judiciously
- II. Part time jobs
- III. Cottage industry-papad, pickle etc.
- IV. Any other

Any three examples for each possibilities (1/2×6=3) (1+3=4)

20. Illustrate the symbol of purity of silk sari to Radhika. Elaborate the course of action to be taken in case this symbol is fake. What other steps should she adopt to prevent such incidents in future?



(1 mark)

In case the symbol is fake:

- I. Approach the shopkeeper
- II. If do not get appropriate response then approach district forum with full documents & file a complaint along with relevant documents
- III. Affidavit stating complaint is true
- IV. Original bill & registered AD of complaints
- V. Address of self and opposite party
- VI. Stating the demanded compensation (any four)

(2 marks)

Other steps

1. Be alert / Survey market
2. Take bill and keep it carefully
3. Buy from reputed shop
4. Buy reputed brand
5. Any other (any two) (1 mark)
(1+2+1=4)

21. Clever use of line, shape colors and rhythm can help make an extremely thin and tall woman appear shorter. Validate this statement with the help of diagrams.

- I. Line draw pictures of horizontal lines
- II. Shape- draw picture of large prints
- III. Draw picture of contrasting color in the dress
- IV. Rhythm – draw picture – radiation/ puff sleeves/ gathers

Note: 1. Explanation $\frac{1}{2}$ mark [1×4=4]
 2. Diagram $\frac{1}{2}$ mark

22. In order to save tax, your father wants to invest in either a bank or a post office. Compare five features each of any two schemes available from each institution so that he can make a wise choice.

In order to save tax, following features of the investment schemes to be compared:

FEATURES	FIXED DEPOSIT	NSC
Minimum amount	1000	100
Length/ time period	About five years	5 yrs and 10 yrs
tax rebate	Yes if fixed for 5 yrs (up to 1 lakh)	yes
Interest	Varies with	8.5% 5 yrs
(w.e.f dec. 2014)	Period 1 yrs-9%	8,8%for 10 yrs
Maturity	After five years	After 6 1/2 years

($\frac{1}{2} \times 10 = 5$)

23. Write ten common problems faced by consumers.

- I. Hoarding/ black marketing
- II. Charge more than MRP
- III. Refuse to show pamphlet
- IV. Try to sell substandard brands
- V. Sell adulterated loose items
- VI. Try to promote sales of items which fetch higher commission
- VII. Imitation label
- VIII. Do not give complete information on label/ conceal facts
- IX. Too many brands
- X. Do not give bill
- XI. Expired products
- XII. Faulty weights & measures
- XIII. Any other. (any ten)

($\frac{1}{2} \times 10 = 5$)

24. Your mother wants to buy fabric for her clothes to be worn in an office. To ensure easy maintenance which four features should she check while selecting the fabric? Also state six instructions she should give to the tailor for satisfactory workmanship of the outfits. [5]

Features for selecting fabric:

- I. Stretchable
- II. Stain resistant
- III. Wrinkle resistant
- IV. Blended fabric
- V. Fabric with special finishing like moth proof
- VI. Color fast
- VII. Easy to wash / Iron (any four)

Workmanship

- I. No puckering
- II. Stitched with matching/ contrasting coloured thread.
- III. Enough hem / seam allowance
- IV. Seam interlocking
- V. Stress areas reinforced with double thread
- VI. Print aligned on different parts of dress
- VII. Zips/ button should be reinforced properly
- VIII. Any other (any six)

($\frac{1}{2} \times 10 = 5$)

25. List two main ingredients used for making soap. Explain fully how detergent works in the cleaning of the fabric? Which four rules will you follow while removing stains from expensive garments?

Ingredients used:

- I. Alkali/ caustic potash, caustic soda
- II. Animal/ vegetable fat/ mahua/ coconut or any other oil
- III. Sodium/ potassium salts of fatty acids
- IV. Starch
- V. Acid slurry (any two)

1 mark

Working of detergent:

- I. Head-Hydrophilic tail-hydrophobic form micelles
- II. Break surface tension of water- water becomes fluid
- III. Detergents reach between dirt and clothes
- IV. Scrubbing breaks dirt
- V. Detergent molecules surround dirt floats on top
- VI. Dirt is carried by tail

2 mark

Rules of stain removal:

- I. Test the chemical in hidden corner of the fabric
- II. Choose correct chemicals
- III. Do not use concentrated chemical solutions for delicate fabrics
- IV. Work in a circular movement starting from outer towards centre.
- V. Do not use one strong application of chemical
- VI. Use several weak applications
- VII. Neutralize acid reagents with an alkaline rinse and all reagents with acidic rinse.
- VIII. Rinse all traces of chemicals immediately after removing the stain. (any four)

2 mark

(1+2+2=5)