

Question Paper 2010 Delhi
CBSE Class 12 Home Science (Theory)

General Instructions:

- All questions are compulsory.
- Marks for each question are indicated against it.
- Read each question carefully and answer to the point.
- All parts of a question should be attempted together.

1. What could be two possible reasons for PFA to fine a shopkeeper selling mutton? [1]

Ans. (i) Prepared / kept in unhygienic conditions,

(ii) Meat obtained from animal who is suffering from disease.

(iii) Mutton is insect infected.

2. Gagan has fever for two weeks and has been advised to have semi-solid diet. Suggest any two suitable dishes for him. [1]

Ans. Khichri, custard, porridge. any other.

3. The weight of a newborn child is three kg. Predict his weight at the age of one year and two years. [1]

Ans. (i) At 1 yr- 9 kg. weight triples

(ii) 2 yrs- 12 kg (weight quadruple)

4. Present two indicators to judge that one year old Aman has language abilities similar to normal children.[1]

Ans. (i) one word sentence

(ii) points to things he wants (uses gestures)

5. Mention two important ingredients for making a detergent.[1]

Ans. (i) Hydrocarbon from petroleum

(ii) Sulphuric acid

(iii) Sodium hydroxide.

6. Sudha is designing a salwar suit for a woman whose stomach is protruding. How will you make sure that she has shifted emphasis away from stomach and created harmony in the dress? [2]

Ans. Emphasis:

(i) Embroider along the neckline — to shift attention from stomach / do not place decorations/ contrasting colours / belt in waist area.

(ii) Make high waist bodice/ high yoke with gathers.

(iii) Kameez should not be tight

(iv) Any other

Harmony:

(i) Use duppatta with same print and colours as the shirt and salwar.

(ii) Align print of sleeves and bodice.

(iii) Any other

7. Mrs. Verma was not satisfied with the drape of her new kurta. Suggest to her four points that she should attend to in the garment so as to improve its drape.[2]

Ans. Check the following areas

(i) Hem does not ride up/even, flat hem

(ii) It fits on the shoulders.

(iii) Darts/ seams fall evenly/put seams, darts at right place.

(iv) Pattern is in centre./ not off grain, /place pattern at right place

(v) No puckering at joints/ armhole

(vi) Remove starch from fabric

(vii) Put lining.

(viii) Any other,

8. You are using a chemical to remove stains from your dress. What four important precautions would you keep in mind while using it on the fabric? [2]

Ans. (i) Test the chemical in hidden corner of the fabric to check effect of chemical

(ii) Work in a circular movement starting from outer towards centre.

(iii) Do not use one strong application of chemical/ Use several weak applications.

(iv) Use the right chemical suitable for fabric or stain.

(v) Neutralize acid reagents with an alkaline rinse and all alkaline reagents with acidic rinse.

(vi) Rinse all traces of chemicals immediately after removing the stains

(vii) Remove all traces of one reagent before using other.

9. In what four ways can you use the skills learnt in home science, in your daily life?[2]

Ans. Skills learnt in Home science

(i) Cooking - make nutritious / low cost meals.

(ii) Stitching/ repairing / decorating.

(iii) Care of clothes

(iv) Interior decoration

(v) Taking care of home.

(vi) Wise buying / consumer awareness.

(vii) Time and money management.

(viii) Any other

10. State four precautions to be adopted while storing cotton saris for a long time. [2]

Ans. (i) Remove starch.

(ii) Remove all pins, stains etc.

(iii) Wash them before storing.

(iv) Moisture free / keep them dry.

(v) Keep moth proof balls.

(vi) Spray boxes with insecticide

11. Give two possible reasons for a three-year-old child to feel jealous. In what two ways he may express this emotion? [2]

Ans. Reasons:

(i) Arrival of new born

(ii) Feeling neglected

(iii) Parents favouritism

(iv) Envied possessions {Any two}

Reactions:

(i) Tries to hurt new born

(ii) Bed wetting

(iii) Thumb sucking

(iv) Tries to win parents attention

(v) Does not listen to parents

(vi) Any other

12. Mrs. Lal is satisfied with the safety measures of her child's creche. Give four reasons for her satisfaction. [2]

Ans. (i) Away from main road

(ii) All boundaries, balcony/ pools are fenced

(iii) Railings on stairs, grills on windows

(iv) No sharp cornered toys / provide safe non toxic toys

(v) Even ground/ no potholes

(vi) Staff trained to handle emergencies.

(vii) Any other

13. One of the main objectives of ICDS is to enhance the capability of mother to look after the normal health and nutritional needs of her child. Report four activities of ICDS which help to fulfill this objective. [2]

Ans. (i) Pregnant women are given supplementary foods and nutrition supplements

(ii) Prenatal. monitoring and care provided to pregnant women.

(iii) Postnatal care provided to lactating

(iv) Breast feeding is promoted

(v) Mobile creche provided

(vi) Provided knowledge about balanced diet, weaning foods, child spacing and immunization

14. “Meal planning is influenced by the structure of a family.” Support this statement with the help of four different examples. [2]

Ans. INSTEAD OF FOUR, WRITE TWO POINTS

(i) Age- if elderly and infants- plan meals which are soft to chew, easy to digest

(ii) Sex- add foods which has satiety- for boys

(iii) Physiological state- if some one is sick will plan meals according his illness

(iv) activity- will plan meals which have higher satiety for heavy workers

15. Name any two diseases caused by drinking polluted water. Give two precautions each you would adopt while using electric filter and chlorine tablets to make this water potable. [3]

Ans. Diseases

(i) Cholera,

(ii) Diarrhoea,

(iii) Typhoid,

(iv) Hepatitis.

(v) Any other

Alum

(i) Use in appropriate proportions

- (ii) Let suspended particles settle before pouring it out
- (iii) Carefully pour clean water without disturbing the base.

Chlorine tabs

- (i) Use according to dirt and amount of water / in proportionate amounts.
- (ii) Allow 10 minutes per tablet to react before using water

16. List one adulterant each commonly found in turmeric and peanut oil. Mention two health hazards of each adulterant. [3]

Ans. Adulterants

- (i) Turmeric - metanil yellow
- (ii) Peanut oil.-mineral oil

III effect of metanil yellow

- (i) Cancer
- (ii) Abnormalities in skin, eyes lungs and bones.
- (iii) Degeneration of reproductive organs
- (iv) Sterility
- (v) Abnormalities in foetus
- (vi) Anaemia
- (vii) Accumulation of lead in body and blood

ill effects of mineral oil

- (i) Gastro intestinal disturbances
- (ii) Diarrhoea
- (iii) Interferes in absorption of fat soluble vitamins

17. Suggest six behaviours you would insist in your cook to ensure that the kitchen is insect free.[3]

- Ans.**
- (i) Keep wire mesh windows closed
 - (ii) Fit cockroach traps on drains
 - (iii) Spray insecticides periodically
 - (iv) Use insect/ fly trap/ pest of flash.
 - (v) Do not leave dirty utensils at night in the sink
 - (vi) Store ingredients in air tight boxes

- (vii) Keep food covered in refrigerator./ Outside
- (viii) cover and line dustbins
- (ix) empty dustbins daily/ keep clean.
- (x) Ensure proper light and ventilation
- (xi) Keep kitchen and storage place clean
- (xii) If possible allow sunlight to enter kitchen (any six)

18. Write three reasons for supplementing your family income. Suggest three different ways of increasing your psychic income. [3]

Ans. Reasons for supplementing your family income

- (i) Inflation
- (ii) Increase in demands of family
- (iii) Increase in standard of living
- (iv) For secure future
- (v) To achieve family goals.
- (vi) Any other

Three ways to increase psychic income

- (i) Buy from reputed and fixed price shop./ Manage to bargain prices and get heavy discounts
- (iii) Buy a good quality machine which lasts a long time/ buy products from reputed reliable shops.
- (iv) Get television repaired after which it is working perfectly/ Get goods serviced from reliable service centers.
- (v) Any other example.

19. State six drawbacks of not maintaining a record of household expenses. [3]

- Ans.**
- (i) Will not know exact amount of money available to family.
 - (ii) Leads to wasteful expenditures
 - (iii) May get overcharged.
 - (iv) Money may not last throughout the month.
 - (v) Money may be spent unsystematically
 - (vi) No records - will not have anything to refer from the past.

(vii) Any other

20. List four problems faced by consumers regarding prices of products. Mention their two rights in this context. [3]

Ans. i. Shopkeepers charge highest MRP (maximum retail price)

ii. They sell loose items without labels or packages and charge any price for that.

iii. Poor quality goods are sold for the price of good quality popular brands.

iv. Prices are not fixed./Prices in two shops also vary. [$\frac{1}{2} \times 4 = 2$]

Rights:

i. Right to information:

ii. Right to redressal.

iii. Right to consumer education

21. What six features would you keep in mind while buying a summer dress for school children? [3]

Ans. i. Good conductivity.

ii. Air permeability,

iii. Absorbent,

iv. Stretchability,

v. Stain resistant,

vi. Non-crushable/wrinkle resistant,

vii. Easily washable,

viii Dry quickly.

ix Not too tight

22. Cheena is two months old and is developing normally. Which two motor, social and cognitive abilities each will she be able to achieve in the next three months? [3]

Ans. Motor:

- i) Sits with support
- ii) Rolls from back to side.
- iii) Reaches for dangling objects. {any two}

Social

- i. Responds to talking with smile / social smile.
- ii. Can distinguish between voice and noise
- iii. Recognizes familiar faces {any two}

Cognitive:

- i) Repeats pleasurable behaviour.
- ii) Varies behaviour according to stimuli
- iii) Anticipates events in limited way.

23. Sudha realises that her child is suffering from high fever and has difficulty in swallowing. Mention two more specific symptoms to help Sudha to identify the disease and also name the disease. What should Sudha do now and why? [3]

Ans. Disease

Diphtheria OR Mumps OR Tetanus

Symptoms of Diphtheria

- i.. Loss of appetite
- ii. Bull neck appearance

- iii. tonsils get inflamed.
- iv. May choke the patient.
- v. Difficulty in breathing
- vi. Grey white film on tonsils {Any two}

Care of Diptheria

- i. Bed rest
- ii. Fluid diet
- iii. Isolation
- iv. Immediately consult doctor {Any one}

Reasons:

Disease can be fatal / can develop complications/ disease is contagious/ any other (Any one)

OR

Symptoms of Tetanus

- i. Difficulty in swallowing and opening mouth (lock jaw)
- ii. Restlessness and irritability
- iii. Arched back
- iv. Convulsions
- v. Stiffness {Any two}

Care of Tetanus

- i Maintain hygiene
- ii All wounds to be washed

iii Protect tongue bite during convulsions

iv Immediately consult doctor {Any one}

Reasons

Disease can be fatal/can develop complications/disease is contagious/any other

OR

Symptoms of Mumps

ii. Enlargement of one or both salivary / Parotid gland

iii. Swelling at base of ear.

iv. Ear ache

v. Mouth feels dry

vi. Whimsical appearance of face

Care of Mumps

i Complete rest

ii Hot fomentation

iii Wash mouth with saline water.

iv Consult doctor {Any one}

Reasons

Disease can be fatal / can develop complications Any other

24. Rehman cannot walk, hence is on wheel chair. He is studying in a regular school. In what eight ways can the teacher help him to meet his emotional needs?[4]

Ans. Emotional needs:

- i. Teach the child to accept their disability/ provide counseling.
- ii. Show Love and affection not sympathy
- iii. Motivate the child through praise and appreciation.
- iv Keep a positive attitude/ help him develop self confidence.
- v. encourage to pursue hobbies.
- vi Develop independence.
- vii Provide opportunities /activities which involves the child - develop sense of achievement.
- viii. Involve him in group activities so that he develops feeling of belongingness.
- ix Any other.

25. Why do six year old children need high intake of calories, calcium, protein and vitamin A in their diet? Give two reasons for each. [4]

Ans. Calories

- i. Increased physical activity
- ii. Increase in basal metabolic rate

Calcium

- iii. Development of bones
- iv. Permanent teeth replaces temporary Teeth
- v. Mineralization of bones (any two)

Protein

- vi. Development of muscles
- vii. Increase in height and weight

Vitamin A

viii. For healthy skin

ix Healthy eyes/ susceptibility of eye diseases.

26. Outline steps of laundering woollen sweaters. [4]

Ans. i. Draw an outline of sweaters on paper.

ii. Use mild liquid soap or reetha nut solution.

iii. Do not soak.

iv. Use lukewarm water.

v. Use light pressure (kneading and squeezing)

vi. Rinse all water, do not wring.

vii. Place on outline, pull to shape and leave dry on flat surface in shade.

ix Do not iron by sliding / use press and lift method.

27. Reena wants to file a case in a consumer court against a company. Guide her to file the complaint. Specify the time period for filing the complaint and for the case to be settled. [4]

Ans. i. Name and description, address of complainant

ii. Name and description, address of opposite party/ company

iii. Facts relating to complaint - when, where it arose

iv. Bills, copy of registered AD sent to opposite party conveying the complaint

v. Relief sought by complainant

vi. Affidavit stating contents to be true.

vii. Any other. (any six)

Time for filing

viii. Within two years of purchase

ix. Case to settle- 3 months/ 90 days.

28. Differentiate between LIC and National Saving Certificate (NSC) schemes of investment. [4]

Ans.

LIC	NSC
Low interest rate in LIC	Higher rate of interest
Amount of investment depends on the scheme offered	No limit of investment
May mature after death/ more than 6 yrs	Matures after 6 years
Investment / premium payment to be done periodically every year/ quarterly	Investment to be done once in lump sum in the beginning.
Interest is tax free	Interest taxable
Have to invest continuously till the stipulated period	Need not invest in it again.