

**Question Paper 2011 Delhi
CBSE Class 12 Home Science**

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. Mention the standard marks you would look for while buying packets of baking powder and pure ghee. (1)

Ans. (i) Baking power - ISI

(ii) Ghee-Agmark

2. Name any two grease solvents which are used to remove stains from garments. (1)

Ans. (i) Acetone

(ii) Petrol

(iii) Methylated spirit

(iv) Carbon tetrachloride

(v) Ether

(vi) Benzene (any two)

For Hindi Medium (above and below answers)

(vii) Talcum powder

(viii) Bran

(ix) Chalk powder

(x) Soap/detergent (any two)

3. At what age does an infant child cut his first milk tooth? How many milk teeth does he have when he is 2 and half years old? (1)

Ans. (i) Between 5-8 months

(ii) Teeth at 2 and half months - Twenty

4. Why is friction method not used to wash woollens? (1)

Ans. (i) Woollens have rough scaly surface. These scales overlap each other and some get entangled which leads to felting.

(ii) Delicate fibre becomes weak when wet (any one)

5. State two important points you would consider while buying clothes for an adolescent boy. (1)

Ans. (i) Variety - mix and match

(ii) According to fashion

(iii) Correct fit (any two)

6. Indicate two cognitive abilities of a child at the age of six months. (1)

Ans. (i) Repeats interesting sounds caused by own actions (coos, gurgles)

(ii) Actions more purpose ful/intentional behaviour

(iii) Can copy familiar actions (any two)

7. Mention two adulterants which are commonly found in tea leaves. (1)

Ans. (i) Iron fillings

(ii) Exhausted tea

(iii) Non-edible tea leaves artificially colored

(iv) Extraneous colour (any two)

8. When suffering from diarrhoea, which two kinds of foods should Sudha avoid in her meals. (1)

Ans. (i) Laxative/fibrous foods

(ii) Spicy

(iii) Irritants(chemicals/mechanical)

(iv) Oily/fried

(v) Stale foods

(vi) Extremely cold or hot foods (any two)

9. Present two arguments to justify that crying is important in the language development of a child. (1)

Ans. (i) It is a pre-speech form which helps in communicating needs of a child

(ii) Know urgency of child's needs (cry loudly if need is urgent)

10. State two indicators of good workmanship in the collar of a gent's shirt. (1)

Ans. (i) Has buckrum

(ii) Reinforced

(iii) Stitched with strong, coloured thread

(iv) Collar size according to size of shirt

(V) No puckering at neckline

(vi) Collars evenly cut

(vii) Any other (any two)

11. To ensure accuracy in length, what four points would you check while buying fabric from a shopkeeper. (2)

Ans. (i) He does not use a table to measure cloth

- (ii) Measuring rod is not bend or broken
- (iii) Does not stretch cloth while measuring
- (iv) Cuts the fabric at the point where he has measured

12. Rini is using a chemical to remove stains from her silk dress. What precautions should she take to prevent any damage to the fabric? (2)

Ans. (i) Select chemical according to the stain and fabric

(ii) Test chemical in hidden corner

(iii) Simple to complex procedure

(iv) Use blotting paper to absorb extra chemicals

(v) Use chemicals in mild form

(vi) Work from outside to inside

(vii) Rinse all chemicals

(viii) Any other (any four)

13. Home Science offers vast selfemployment opportunities in each of its fields. Support this statement with the help of an example from each field. (2)

Ans. (i) Food and nutrition - cater parties, any other

(ii) Clothing and textiles - fashion designer, any other

(iii) Child development - baby sitter, open a school, any other

(iv) Home management - free lancer interior decorator, open florist shop, any other

14. What four qualities of a fabric would qualify it to be comfortable? (2)

Ans. (i) Air permeability

(ii) Good conductivity

(iii) Stretch ability

(iv) Absorbent

(v) Lightweight

(vi) Soft (any four)

15. State two indicators each by which a mother knows that her eight month old child has normal motor and social development. (2)

Ans. Motor

(i) Stand upright with support

(ii) Crawl on stomach, hand and feet

(iii) Crasp things

(iv) Any other (any two)

Social

(i) Attached to mother shows attachment by pulling hair/spectacles/bindu

(ii) Can differentiate between angry/friendly voices

(iii) Stranger anxiety (any two)

16. Name two things which can damage cotton clothes during storage. What two steps should you adopt to prevent this spoilage? (2)

Ans. Causes of damage

(i) Silver fish Starch

(ii) Mildew

(iii) Damp/dirty clothes

(iv) Rust, if pins are left in the garment/rusted hooks (any two)

Precautions

- (v) Remove starch
- (vi) Store when completely clean/dry
- (vii) Air dry/Sun dry
- (viii) Spray insecticide in boxes before storing it
- (ix) Put newspaper on base of storage box (any two)

17. In what four ways can a one year old express his emotion of fear? (2)

Ans. (i) Pulls away from source of fear

(ii) Hides face

(iii) Turns face away

(iv) Cries

(v) Bed wetting

(vi) Any other (any four)

18. Recommend four facilities you would want in the creche of your three years old brother. (2)

Ans. (i) Hygienic environment

(ii) Flexible timing

(iii) Trained staff

(iv) Suitable/safe toys

(v) Company of own age

(vi) First aid facility

(vii) Comfortable sleeping space

(viii) Safety and security

(ix) Any other (any four)

19. Give four reasons as to why lactating women should regularly visit an ICDS centre. (2)

Ans. (i) Postnatal care provided

(ii) Breast feeding promoted

(iii) Immunization of her child

(iv) Provided knowledge about balanced diet, weaning foods, child care

(v) Education for hygiene and sanitation (any four)

20. Pradeep is a bank manager. He lives in a coastal area with his wife, old parents and grand-mother. Mention four important factors which would influence the meal planning of this family. (2)

Ans. (i) Regional – coastal- will include coconut, bananas/sea foods in meals

(ii) Age - grandmother will need meals which are easily digestible and bland

(iii) Activity - he is sedentary worker

(iv) Religion - Hindu - will not include beef in meals

(v) Like and dislikes

(vi) Use seasonal vegetables

(vii) Any other (any four)

21. Use of chlorine tablets may not always assure you to get safe potable water. Support this statement with four reasons. (2)

Ans. (i) Tablet not used in correct proportion to amount of water / 4 mg to litre or one tablet to 20 litres

- (ii) Tablet not allowed to react with water for sufficient time / 10 minutes for normal water/ 20 minutes for more dirty water
- (iii) Tablet not stirred properly/Water not shaken after putting tablet
- (iv) Container not rinsed/screw bands not rinsed
- (v) Not stored in clean utensils (any four)

22. Most villages are suffering from swelling in feet and legs. The doctor has ascribed it to some adulteration in their food. What could be this adulterant? Mention three other symptoms associated with this adulterant. Suggest two ways by which villagers can safeguard themselves from buying adulterant foods. (3)

Ans. (i) Adulterant-argemone

Symptoms

- (ii) Heart diseases
- (iii) Rash on exposed parts of body
- (iv) Enlarged liver
- (v) Renal failure
- (vi) Glaucoma
- (vii) Respiratory distress (any three)

Safeguard

- (viii) Buy food with standard mark/Agmark
- (ix) Reputed company and reputed brand
- (x) Sealed/not buy open packets (any two)

23. What could be six possible unhygienic practices adopted by roadside vendors selling chaat papri? (3)

Ans. (i) Plates are not washed with clear water and detergents/does not use disposable plates and spoons.

(ii) Does not use gloves to serve

(iii) Does not cover food

(iv) Does not cover dustbin

(v) uses stale food

(vi) Long and dirty nails and hands

(vii) Has boils and cuts in hands

(viii) Handle food when suffering from cold/cough

(ix) Do not wipe spills with clean cloth

(x) Does not use ladles to take out food

24. What six things your mother can do to supplement her real income? (3)

Ans. (i) Does her household chores herself

(ii) Use community facilities —public bus to go for shopping

(iii) Shares carpool to leave children to school or go to office

(iv) Does not order food/cook at home

(v) Teaches own child

(vi) Grows vegetables in pots/garden

(vii) Stitches garments for family

(viii) Bulk buying

(ix) Any other (any six)

25. Justify with six reasons as to why all families should maintain their household

accounts. (3)

Ans. (i) Will know exact amount of money available to family

(ii) Prevent wasteful expenditures

(iii) Avoid getting overcharged

(iv) Money lasts throughout the month

(v) Money is spend systematically

(vi) Helps to refer from the past and compare prices

26. Outline the steps of washing a silk sari at home. (3)

Ans. (i) Use luke warm water (do not soak)

(ii) Use mild liquid soap reetha-nut solution

(iii) Use kneading and squeezing method (light pressure)

(iv) Rinse all soap in cold water

(v) Add few drops of vinegar lime juice in last rinse for shine.

(vi) Add gum water along with vinegar for stiffness

(vii) Dry in shade on clothesline

27. Identify four symptoms of diphtheria. Present two important points for its prevention. (3)

Illustrate four ways each of creating emphasis and harmony in a salwar-kameez suit.

Ans. Diphtheria

(i) Loss of appetite

(ii) Bull neck appearance

(iii) Tonsils get inflammed

- (iv) May choke the patient
- (v) High fever
- (vi) Difficulty in swallowing
- (vii) Difficulty in breathing
- (viii) Grey lining in throat (any three)

Prevention:

- (i) DPT vaccine given in 3 doses starting from 12 months at one month interval
- (ii) booster dose given after 1 and half year
- (iii) Isolate patient
- (iv) Disinfect clothing, beddings, toys, etc
- (v) Disposal of nasal/oral discharges in proper manner. (any three)

28. Emphasis:

- (i) To emphasize neckline-embroider around neckline/any other example
- (ii) Contrasting collar will emphasize it/any other example of any other part
- (iii) Repeat color on neck line, hem, dupatta, cuff/Matching same color accessories (necklace, earring, bangles, any other example)
- (iv) Using an unusual collar/doing applique work on bodice to emphasize it, any other example

Harmony:

- (i) Repetition of colour/design/embroidery/Duppata, salwar should have same print embroidery as in kameez/any other example
- (ii) Same fabric quality in all parts of dress/e.g. Use same texture/related colours fabric in duppata and salwar as the kameez/any other example

(iii) Structural lines should have compatible angles/Align print of shirt and sleeves/ different panels in kameez should have same direction of print

(iv) Gradation of colours/design

(v) Size of print should be according to size of kameez(small print for small size

(vi) Design of embroidery should complement the dress and not clash with ie.g. geometrical design on flowers clash with each other

(vii) Any other (any four)

29. List any four difficulties a deaf and dumb child may face in a normal classfoorm.

What are the aids available which can help meet their specific needs. (4)

Ans. FOR FULLY DEAF AND DUMB

(i) Cannot hear, so have to rely on sight

(ii) Problems in social adjustment due to lack of communication

(iii) Take time to learn concepts which rely on language

(iv) Teacher talking in exaggerated way - cannot guess the words through lip reading

(v) Teacher not standing still in one place, while talking

(vii) Negative attitude of children and teachers/no guidance and support from teachers

(viii) Not given opportunities/activities not organized keeping their disability in mind

(ix) Problem in social adjustment due to difficulty in communication (Any four)

AIDS AVAILABLE

(i) Sign language (use of manual alphabets)

(ii) Maketon(pictures with sign language)

(iii) Lip reading

(iv) Seating in semi circle

(v) Organize activities according to abilities

OR

PROBLEM FOR PARTIAL DEAD AND DUMB

(i) Difficulty in hearing

(ii) Too much noise can hamper hearing with hearing aid

(iii) Teacher talking in exaggerated way - cannot guess the words through lip reading

(iv) Teacher not standing still in one place, while talking

(v) Own personality maybe irritable, pessimistic, introvert, moody, inferiority complex

(vi) Not given opportunities/activities not organized keeping their disability in mind (any four)

AIDS FOR PARTIALLY DEAD AND DUMB

(i) Use of hearing aids

(ii) Auditory hearing units

(iii) Seating in semi circle

(iv) Organize activities according to abilities

30. A family where the daughter-in-law is pregnant has been served aloo parantha and curd for breakfast. What modifications will you carry out in this meal to suit the nutritional needs of a pregnant woman? Why does she require these additional nutrients? (4)

Ans. (i) Anything rich in iron (mint, anar) in curd

(ii) Give more curd for calcium

(iii) Add methi for folic acid in parantha

(iv) Add besan/dalin atta for proteins (any four relevant suggestions)

Reasons:

(i) Iron is needed for hemoglobin, increased iron absorption

(ii) Folic acid is needed for regeneration of blood cells/helps reduce abnormalities, prevents anemia

(iii) Proteins is needed for growth of foetus, placenta, uterus, breast size

(iv) Calcium is needed for increased mineral absorption, formation of bones of foetus deficiency, leads to decalcification of mothers bones/teeth

31. Describe the right to information and right to safety. Write one step each taken by government which ensures that these two rights of consumers are adequately met. (4)

Ans. The right to information: This ensures provision of information about the quality, standard, quantity, potency, purity, standard and price of goods and services through detailed labels/leaflets/booklets, so as to protect the consumer against unfair trade practices and not be misled by lack of information or misinformation.

Steps taken by government:

(i) Issuing warnings along with advertisement of toxic products (e.g. cigarette smoking is injurious to health)

(ii) Prohibits deceptive packaging. Example of imitation labels

(iii) Makes sure packages clearly identify their price and content

(iv) Any other (any one)

Right to safety: A consumer has the right to demand safe goods and be protected against all harmful products like adulterated food or unsafe electrical appliances.

For example, if your oven gives an electrical shock, or your cooker bursts, then under the right to safety, you can file a complaint against the manufacturers

ROLE OF GOVERNMENT

- (i) Issues standardized marks
- (ii) Has enforced PFA act to curb adulteration
- (iii) Organizes consumer awareness programmes
- (iv) Formulates right and responsibilities by COPRA
- (v) Consumer forums set up to protect consumer rights.
- (vi) Any other (any one)

32. Your brother works in a bank and wants to invest one lakh rupees. Suggest to him any two schemes which are safe and also provide tax rebate. Mention three other features of each of these two schemes. (4)

Ans. PUBLIC PROVIDENT FUND

- (i) Loan facility
- (ii) High rate of interest /8% interest
- (iii) Interest tax free
- (iv) Can withdraw money after 6 years/premature withdrawal allowed

OR NSC

- (i) High rate of interest/8%
- (ii) No limit of investment
- (iii) Short time investment/Matures after 6 years
- (iv) Can take loan against it

OR LIC

- (i) Interest tax free in LIC
- (ii) Easy/Low premiums in installments

(iii) Can take loan

(iv) Family secure/future secure

OR Employees Provident Fund

(i) Rate of interest is 8.5%

(ii) Compound interest (interest on interest)

(iii) Every month cut from salary/easy payments

(iv) Take loan

(v) Safe future/old age/retirement

OR Fixed deposit in banks for 5 years

(ii) Higher rate of interest than savings

(iii) Inculcate habit of saving

(iv) Simple and accessible

(1/2 mark each for name of scheme and 1/2 mark each for three features each of two schemes)

