

Question Paper 2011 Outside 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.
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1. Mention the standard marks you would look for on the packets of salt and honey, while buying. (1)

Ans. (i) Salt-ISI

(ii) Honey - Agmark

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

Ans. (i) Talcum powder

(ii) Bran

(iii) French chalk

(iv) Powdered magnesia (any two)

3. At what age does an infant cut his first milk tooth? How many milk teeth does he get till one year. (1)

Ans. (i) Around 6 months/5-8 months

(ii) At one year —6 teeth

4. Give two suggestions to remove excessive blue from cotton garments. (1)

Ans. (i) Dip in plain water

(ii) Put vinegar/lime in this water

5. State two important points you would consider while buying clothes for a seven-month-old child. (1)

Ans. (i) Reinforced from knees

(ii) Extra allowance

(iii) Comfortable

(iv) Soft clothes

(v) Easy to maintain

(vi) Easy to wear

(vii) Pastel/pleasant colors

(ix) Correct size

(x) Any other (any two)

6. Indicate two cognitive abilities of a child at the age of one year. (1)

Ans. (i) One action leads to another

(ii) Imitates behaviour

(iii) Actions become more purposeful/intentional behaviour

(iv) Repeats action in variety of ways

(v) Can anticipate events better (any two)

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

Ans. (i) Chicory

(ii) Powdered date seeds

(iii) Powdered tamarind seeds (any two)

8. When suffering from fever, which two kinds of foods should Sudha have in her

meals? (1)

Ans. (i) Bland/non spicy

(ii) Soft

(iii) Digestible

(iv) Lot of fluids

(v) High calorie diet (any two)

9. How does babbling help in the language development of a child? (1)

Ans. (i) Helps in vocal mechanism/Clears speech

(ii) Helps in muscular coordination

(iii) Quickens the learning process of speech (any two)

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

Ans. (i) Placket of cuff front over back

(ii) Stitched with strong, matching colored thread

(iii) Even stitches

(iv) Reinforced with buck rum/ tatum

(v) Cuffs equal in size/even stitches

(vi) Any other (any two)

11. To ensure accurate quantity, what four points would you check while buying milk from a milkman? (2)

Ans. (i) Measure should not have a false bottom

(ii) When he measures he should fill it to the brim

(iii) He should empty the content completely

(iv) Standard measure with stamp is used

(iv) Let foam settle (any four)

12. Rini spoilt her silk dress while removing stains with a chemical. What precautions should she have taken to prevent this? (2)

Ans. (i) Test chemical in hidden corner

(ii) Use chemicals in mild form

(iii) Follow simple to complex procedure

(iv) Work from outside to inside

(v) Rinse all traces of chemicals

(vi) Select chemical according to fabric/stain

(vii) Use blotting paper to absorb extra chemical (any four)

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

Ans. (i) Food and nutrition - chef, lobby, manager, any other

(ii) Clothing and textiles - fashion designer in a garment factory, any other

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

(iv) Home management - interior decorator with an architect, any other

14. What four qualities of a fabric would determine its property of durability? (2)

Ans. (i) Blended fibre/marinade fibre

(ii) Filament stronger than staple yarns

(iii) Mercerized

(iv) High thread count

(v) Twill weave/plain weave (any four)

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

Ans. Motor

(i) Sit with support

(ii) Roll from back to side

(iii) Reach for dangling object (any two)

Social

(i) Can distinguish between noise and voice

(ii) Responds with smile

(iii) Recognizes people who care for him (any two)

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

Ans. Causes of damage

(i) Perspiration

(ii) Carpet beetle

Precautions

(iii) Clean/dry clean before storage

(iv) Spray insecticide in boxes before storing it

(v) Change newspaper

(vi) Air dry to remove perspiration

17. List four main reasons for a two-year-old child to get angry. (2)

Ans. (i) Inability to carry out certain actions

(ii) Denial to wishes

(iii) Take away possessions

(iv) Minor discomfort

(v) Feeling jealous (any four)

18. Which four qualities would you look for, while selecting staff for a creche? (2)

Ans. (i) Trained to handle emergencies

(ii) Patient

(iii) Loves and cares for children

(iv) Honest

(v) Any other (any four)

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

Ans. (i) Supplementary foods and nutrition supplements are given to pregnant women

(ii) Tetanus shots

(iii) Prenatal monitoring and referral services

(iv) Educated for hygiene and sanitation

(v) Educated for nutrition and child care (any four)

20. Rehman is a farmer. He lives in a hilly area with his wife, two school-going children and an old mother. Mention four important factors which would influence the meal planning of this family. (2)

Ans. (i) Region - hilly - rice is grown more so would eat more rice/locally grown foods are planned

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- (ii) Religion - muslim - would eat halal meat, no pork
 - (iii) Activity - heavy worker will need more calories
 - (iv) Age appropriate - children need more protein, calcium and iron rich foods
 - (v) Health appropriate - if suffer from any illness (any four)

21. “Use of boiling method may not always assure you to safe potable water.”

Support this statement with four reasons. (2)

Ans. (i) Not strained/sedimentation not done before boiling

(ii) Not boiled for 10 minutes

(iii) not stored in clean containers/not allowed to boil

(iv) not stored in clean containers/not covered

22. Most villages are suffering from paralysis. The doctor has ascribed it to some adulterant in their food. What could be this adulterant? Mention two other symptoms associated with this adulterant. How can villagers safeguard them-selves from buying adulterated foods? (2)

Ans. (i) **Adulterant** - kesari da1/1athyrus satyvus

Symptoms

(ii) Stiff knees

(iii) Pain in ankle joints

Safeguard

(iv) Buy food with standard mark/Ag mark

(v) Reputed company and reputed brand

(vi) Buy sealed packets/do not buy open packets

23. List six desirable hygienic habits you would propose to a vendor who sells chat-papri by the roadside. (3)

Ans. (i) Cleans plates with clean water and detergents/use disposable plates and spoons

(ii) Uses gloves to serve

(iii) Uses ladles to serve

(iv) Covers food

(v) Uses covered dustbin

(vi) Uses fresh food/does not use any leftovers

(vii) Keeps nails trim

(viii) Does not dip fingers in water glass while serving

(ix) Uses spoon for tasting food

(x) Does not sneeze on food/does not handle food when cold/cough

(xi) Immediately wipes spills with clean cloth

24. What six ways can college-going students adopt to help themselves in supplementing their real income? (3)

Ans. (i) Share transport to go to college

(ii) Reduce expenditures - mix and match clothes/eat at home

(iii) Use community facilities - library instead of buying books/public transport

(iv) Grow vegetables in pots/garden

(v) Help at home instead of keeping servants

(vi) Exchange notes/books

(vii) Share rental accommodation/books

(viii) Any other (any six)

For Hindi medium above along with below answer is correct

- (i) Bargain prices and save and get satisfaction
- (ii) Borrow notes/books and derive satisfaction
- (iii) Buying things which will last for long time - get satisfaction
- (iv) Watching movie together at home instead of spending in movie halls
- (v) Any other (any six including for direct/indirect)

25. Predict six problems a family can face if it does not maintain record of its household expenses. (3)

- Ans.** (i) Will know exact amount of money in hand
- (ii) Leads to wasteful expenditure
 - (iii) May get overcharged
 - (iv) Money may not last throughout the month
 - (v) Money may be spent unsystematically
 - (vi) No records - do not have anything to refer from the past
 - (vii) Any other (any six)

26. Outline the steps of washing a woollen sweater at home. (3)

- Ans.** (i) Draw an outline of sweater on paper
- (ii) Use mild liquid soap or reetha nut solution (do not soak)
 - (iii) Use light pressure (kneading and squeezing)
 - (iv) Use lukewarm water
 - (v) Rinse all water - don't squeeze

(vi) Place on outline, pull to shape and leave dry on flat surface, in shade

27. Identify any three specific symptoms of polio. How can it be prevented? (3)

Ans. (i) Mild fever with chilliness and body pain

(ii) Pain when bends forward or lifts limbs

(iii) Foot drop

(iv) Paralysis after 2-3 days (any three)

Prevention:

(i) Polio drops given in 4 doses started at birth/booster dose at 18 months

(ii) Avoid crowding

(iii) Use pasteurized milk

(iv) Swimming pool chlorinated

(v) Adopt anti fly measures/food hygiene

(vi) Dispose off excreta carefully (any three)

28. Illustrate any four ways each of creating emphasis and rhythm in a dress of skirt and a top. (4)

Ans. Emphasis:

Skirt:

(i) Belt on waist will emphasize it

(ii) Embroidery around the waist/hemline/any other

(iii) Contrasting colour on waist/border

(iv) Putting unusual button or applique work (any two)

shirt:

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- (i) Contrast collar/pocket/cuff
 - (ii) Embroidery around the waist/hemline/any other
 - (iii) Contrasting colour or waist/border
 - (iv) Putting unusual button or applique work (any two)

Rhythm:

- (i) Repetition - repeat piping on neckline, hem and cuff
- (ii) Gradation - Embroider flowers of varying sizes
- (iii) Radiation - have puff sleeves/gathers in skirt
- (iv) Parallelism - Pleats in skirt/tucks in shirt
- (v) Alteration - Embroider alternate row of flower and lines on upper bodice/

Skirt (any four)

29. List any four difficulties a partially blind child may face in a normal classroom.

What facilities can be made available in school which can help meet his/her specific needs. (4)

Ans. Difficulties:

- (i) Unable to follow blackboard work
- (ii) Poor lighting
- (iii) Lack of big prints in books
- (iv) Non—availability of grey/green boards
- (v) Too much glare in visual aids
- (vi) Clumsy
- (vii) Feeling of inferiority complex

(viii) Feel isolated

(ix) Any other (any four)

Aids Available

(i) Green/grey board

(ii) Magnifying glass

(iii) Audio aids

(iv) Motivation from teachers

(v) Help from classmates

(vi) Enough lighting in class (any four)

30. A family with a lactating mother has been served aloo parantha and curd for breakfast. Modify the meal to suit the nutritional needs of the lactating mother, justifying your selection adequately. (4)

Ans. Modification:

(i) Add anything rich in vitamin A and C in curd parantha

(ii) Give more curd for calcium

(iii) Add methi/and other folic acid rich food (green leafy, soyabean etc.) in parantha

(iv) Add besan/daal/soyabean/kale chane powder in atta for proteins

(any four relevant suggestions)

Reasons:

(i) Vitamin A is needed for healthy glowing skin, healthy bones and vision of infant

(ii) Vitamin C is needed to provide immunity to child

(iii) Folic acid is needed for regeneration of blood cells

(iii) Proteins is needed for repair and maintenance of cells and tissues

(iv) Calcium is needed for production of milk/mineral absorption efficiency increases (any four reasons)

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

Ans. A. 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) any other

(ii) Prohibits deceptive packaging. Example of imitation labels

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

(iv) Any other (any one)

B. Right to basic needs: Right to basic goods and services guarantees dignified living. It includes adequate food, clothing, health care, drinking water and sanitation, shelter, education, energy and transportation

Steps taken by government

(i) Rations at subsidized rates for low income families

(ii) Health care facilities

(iii) Safe drinking water

(iv) Low cost housing schemes

(v) 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/8.9% interest
- (iii) Interest tax free
- (iv) Can withdraw money after 6 years/premature withdrawal allowed
- (v) Compound interest

OR NATIONAL SAVING CERTIFICATE (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
- (ii) Easy/Low premiums in installments
- (iii) Can take loan
- (iv) Family secure/future secure/life accident cover

OR PROVIDENT FUND

- (i) High rate of interest is (8.5% to 9.5%)
- (ii) Compound interest (interest on interest)

(iii) Every month cut from salary/easy payments

(iv) Take loan

(v) Safe future

OR FIXED DEPOSIT IN BANKS FOR 5 YEARS

(i) Loan

(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)