

CLASS XII (2017-18)
HOME SCIENCE
MARKING SCHEME (DELHI AND HARYANA)

GENERAL INSTRUCTIONS:

- i. **The Marking Scheme carries only suggested value points for the answers. These are only Guidelines and do not constitute the complete answer. The students can have their own expression and if the expression is correct, the marks be awarded accordingly.**
- ii. **As per orders of the Hon'ble Supreme Court, the candidates would now be permitted to obtain photocopy of the answer Book on request on payment of the prescribed fee. All examiners / Head Examiners are once again reminded that they must ensure that evaluation is carried out strictly as per points for each answer as given in the Marking Scheme.**
- iii. **All the Head Examiners / Examiners are instructed that while Evaluating the answer scripts, if the answer is found to be totally incorrect, the (x) should be marked on the incorrect answer and awarded '0' marks.**

Q1. Write any two differences between growth and development.

Growth	Development
i) Quantitative /Can be measured	i) Both quantitative and qualitative /can be observed
ii) Refers to change in height, weight , size and body proportions	ii)Refers to change in all domains-cognitive, physical, social, emotional
iii) Growth is for limited period of time	iii)Development takes place throughout life

(Any **one** difference)

(½x2=1)

Q2. Suggest any **two food items** for a diabetic pregnant woman.

- i) Green leafy vegetables
- ii) High fibre food items/ Multigrain /missi roti / any other
- iii) Milk and milk products
- iv) Pulses / any other
- v) Fruits and vegetables
- vi) Any food low in sugar /starch / fat
- vii) Any other

(Any two)

(½x2=1)

Q3. Illustrate **two ways of bringing rhythm** in a six month old baby's frock.

Pictures showing following ways of rhythm

- i) Radiation/ gathers/ any other
- ii) Gradation / by increasing / decreasing lines, colours /shapes , any other
- iii) Repetition / repetitive use of buttons, piping, any other.
- iv) Parallelism / use of bands of colours, tucks /pleats / any other
- v) Alteration / alternating colors, textures/ any other

(Any two)

(½x2=1)

Q4. Mention any two techniques of making water potable.

- i) Use of chlorine tablets
- ii) Chlorine / Bleaching Powder
- iii) R.O. filter
- iv) Electric filter
- v) Boiling

(Any two)

(½x2=1)

Q5. Identify any two effects of straight lines on a physique of a person.

- i) Vertical straight line- -
 - i) Thin
 - ii) Tall
- ii) Horizontal straight line-
 - i) Short
 - iii) Fat
- iv) Diagonal straight line-
 - v) Slim / Fat depending on slant of diagonal line

Any two (i-v)

(½x2=1)

Q6. Write any **two features of recurring deposit** scheme of Post Office.

- i) 5 years period of investment
- ii) Fixed amount of money to be deposited at periodical intervals
- iii) Minimum investment amount Rs. 10 per month
- iv) No upper limit for investment
- v) Loan facility after 4-5 months
- vi) No tax rebate
- vii) High interest
- viii) Interest is taxable
- ix) Premature withdrawal allowed after 1 year (with penalty)
- x) Any other

(Any two)

(½x2=1)

Q7. In which **four ways can a twelve year old child modify his/ her own eating behaviour?**

- i) Avoid eating junk food / eat healthy nutritious meals
- ii) Avoid overeating
- iii) Avoid skipping of meals
- iv) Taste new foods / try to eat whatever cooked
- v) Eat home-made foods /avoid unhygienically prepared foods
- vi) Eat at meal times/ avoid snacking before and after meals
- vii) Do not get influenced by advertisements/ media
- viii) Any other (Any four) (½x4=2)

Q8. “Cultures shape the identity of an adolescent.” Elaborate by giving **any two examples.**

- i) Influence of traditional culture : - may be more responsible/ submissive/ tolerant/ respectful /obedient/ any other (any one)
- ii) Influence of modern/ western culture- more confident/ extrovert / language - slangs/ abbreviations / any other (any one) (1x2=2)

Q9. Give the expansion of ‘MGNREGA.’ Write any two special features of this income generating programme.

a) Expansion of MGNREGA- Mahatma Gandhi National Rural Employment Guarantee Act (1 mark)

b) Two special features of this income generating programme:

- i) Run by Gram Panchayats
 - ii) Job is provided for atleast 100 days in a financial year
 - iii) Unemployment allowance
 - iv) Meant for rural villagers with job card holders
 - v) 1/3rd of beneficiaries are women
 - vi) Ensures facilities like – crèche / shade / drinking water / first aid
 - vii) Work provided within 5 kms from the village
 - viii) Builds infrastructure for villagers - road, toilets etc. (Any two) (½x2=1)
- (1+1=2)

Q10. Mrs. Kumar is finding it extremely difficult to handle her teenage son who has suddenly started seeking privacy and dislikes the restrictions imposed on him. Advise Mrs. Kumar how she can develop a characteristic bond with her son.

- i) Express love and affection / make him feel wanted
- ii) Spend quality time/ listen and talk to him
- iii) Give freedom / treat him like an adult / do not impose restrictions
- iv) Involve him in family decision making / ask his opinion / use democratic style of parenting
- v) Give responsibilities
- vi) Encourage / appreciate / support
- vii) Establish rules clearly as to what is permissible and what is not
- viii) Play / watch movie together / cook / eat together, any other
- ix) Be consistent in parenting
- x) Any other (Any four) (½x4=2)

Q11. List four ways by which the knowledge of Home Science helps you in your day-to-day life.

- i) Make nutritious and balanced meal
- ii) Take care of family members
- iii) Manage household resources(time, energy, money)
- iv) Repair / stitch clothes
- v) Be an alert consumer
- vi) Wise selection of clothes
- vii) Keep the household organised and clean
- viii) Decorate the house (rangoli, flower arrangement etc)
- ix) Any other (Any four) (½x4=2)

Q12. Define 'Stain'. List any two methods of stain removal.

Stain is mark of discolouration / an unwanted mark on fabric (which may be either absorbed or held chemically between the fibers) (1 mark)

Methods of stain removal:

- i) Solvent method / Dipping method / Chemical method
- ii) Sponging method / Absorbant method
- iii) Drop method
- iv) Steaming method (Any two) (½×2=1)
(1+1=2)

Q13. Explain any two common reagents which Vinita can use to help to restore brightness and freshness of fabric while laundering.

- i) Blue- Dissolve in water / open garment / make wet / dip fabric and dry in sun- To give brightness
- ii) Bleaches(Reducing / Oxidising)- Remove stains / helps to whiten- To give brightness
- iii) Lemon/ vinegar/acetic acid -To give brightness
- iv) Starch / Gum- Dissolve in water / open garment / make wet / dip fabric and dry in sun- For freshness (Any two) (1x2=2)

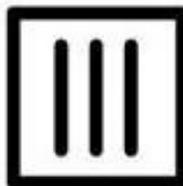
Q14. Draw a care label for a readymade green colour polyester shirt with respect to washing, drying and ironing.

i. For washing:



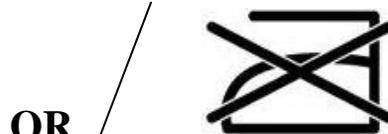
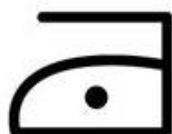
(Any one)

ii. For drying:



(Any one)

iii. For ironing:



(Any one)

(1×3=3)

Q15. 'Savings must be invested wisely.' Explain to your father for any **three principles** for sound investment, with suitable examples.

Any three principles with examples

- i) Accessibility and convenience e.g. any post office scheme / any other
- ii) Liquidity / premature withdrawal e.g. savings account / any other
- iii) Short Period of investment e.g. R.D. / any other
- iv) Safety and security e.g. Post Office / any other
- v) High rate of interest e.g. PPF / any other
- vi) Tax rebate e.g. PPF / any other

(1x3=3)

Q16. Kavita is not in the habit of maintaining a daily expenditure diary. Which four problems might she face for not doing so? Suggest to her the format for maintaining a daily record of expenditure.

Four problems Kavita might face:

- i) Not aware of exact amount of money available to her
- ii) Cannot compare previous prices
- iii) Can be overcharged
- iv) No planning for future expenses
- v) Leads to wasteful expenditure
- vi) Money may not last for whole month
- vii) Any other

(Any four)

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

Format for maintaining a daily record of expenditure:

Date	Name of Items	Quantity purchased / Rate	Total Amount spent(Rs.)

(2marks)

(2+2=4)

Q17. Your mother wants to buy a double door refrigerator of 250 litres capacity. She is not able to decide whether she should buy it from a showroom or online (internet). Help her make a decision by highlighting any two advantages and two disadvantages of each method of buying the refrigerator.

Two advantages of buying from internet:

- i) Available 24x7
- ii) Convenient / home delivery
- iii) Can compare prices / features
- iv) Can check feedback/reviews of other consumers
- v) Saves time / quick information
- vi) Cost effective
- vii) Any other

(Any two)

Disadvantages of buying from internet:

- i) Too many brands may lead to confusion
- ii) Fraud / phishing / virus / Hacking
- iii) Exaggerated product / size
- iv) Cannot operate / check the product / may not work
- v) Hassle of replacing / may take time
- vi) Any other

(Any two)

Two advantages of buying from showroom:

- i) Can operate and check the product
- ii) Presence of salesman to guide
- iii) Can negotiate / Bargain prices
- iv) Can get guarantee / warrantee card stamped
- v) After sale service provided
- vi) Immediate delivery
- vii) Any other

(Any two)

Two disadvantages of buying from showroom:

- i) Available for fixed timings
- ii) Salesman may misguide / promote products which fetch commission
- iii) Time consuming
- iv) Limited options
- v) May refuse to give leaflets
- vi) Any other

(Any two)

($\frac{1}{2} \times 8 = 4$)

Q18. Write any four causes of food contamination. Which four guidelines will you give to your canteen cook to maintain kitchen hygiene?

Four causes of food contamination:

- i) Infected food handler
 - ii) Food not properly preserved
 - iii) Cross-contamination from kitchen equipment
 - iv) Undercooked food
 - v) Favourable conditions for bacterial growth
 - vi) Long holding period
 - vii) Any other
- (Any four)

Four guidelines to canteen cook to maintain kitchen hygiene:

- i) Immediately wipe spills from work surfaces / tiles etc.
 - ii) Line/ cover dustbins / Empty dustbins daily
 - iii) Seal cracks and crevices
 - iv) Use clean dusters
 - v) Remove dirty footwear before entering kitchen.
 - vi) Any other
- (Any four)

($\frac{1}{2} \times 8 = 4$)

Q19. Your friend purchased honey from a local vendor. It was not found good in taste. What may be the possible reason for it? Name the adulterant which might be present in it and also describe the method to detect the presence of this adulterant. What four precautions should your friend take to avoid purchase of adulterated honey?

NOTE: TEST OF ADULTERATION IS OUT OF SYLLABUS. ONE MARK IS ADJUSTED IN ANSWER (A)

(A) Adulterated with sugar / jaggery / wax (Any one) [2 marks]

(B) Four precautions to avoid purchase of adulterated honey:

- i) Buy branded product
 - ii) Buy from reputed shop.
 - iii) Standard mark-Agmark
 - iv) Read label for checking imitation of popular brands
 - v) Buy sealed bottle
 - vi) Be an alert consumer
 - vii) Any other
- (Any four)

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

(2+2=4)

Q20. How do fashion and income influence the selection of fabric? Explain with two suitable examples of each.

Fashion

- i) Buy fabric (silk, crepe etc.) which are in fashion
 - ii) Buy fabric colour which is in fashion
 - iii) Buy fabric patterns / styles which are in fashion
 - iv) Buy fabric with surface finishes (tie & dye / embroidery) in fashion
 - v) Any other
- (Any two)

(1x2=2)

Income

Person with Low income will :

- i) buy cheap fabric / cheaper version of reputed brands
- ii) buy fabric which are easy to wash and do not need any dry cleaning

Person with High Income will -

- iii) buy fabrics which are from a reputed Brands
- iv) buy fabric which is exclusive and designer wear

(i-iv Any two)

(1x2=2)

(2+2=4)

Q21. Tell your friend any four causes and four consequences of Anorexia Nervosa.

Four causes of Anorexia Nervosa:

- i. Depression / stress / loneliness
- ii. Peer pressure
- iii. Low self esteem
- iv. Poor body image
- v. Imitating role models / influence of media
- vi. Any other (Any four)

Four consequences of Anorexia Nervosa:

- i. Scanty / irregular menstruation
- ii. Underweight
- iii. Fainting / Weakness
- iv. Hair loss
- v. Bone demineralization
- vi. Kidney damage
- vii. Any other (Any four) (½x8=4)

Q22. List six points of workmanship you will check in a readymade silk salwar-kameez. What four precautions you will take while storing it?

Six points of workmanship

- i) Even stitches
- ii) Stitched with matching coloured thread
- iii) Colour fast thread
- iv) Invisible hemming
- v) Seams-interlocked
- vi) Enough seam allowance / Hem allowance
- vii) Underarms reinforced
- viii) Even facing/ piping at neckline/ no puckering
- ix) Large placket
- x) Buttons aligned with button hole / prints of arms /bodice aligned
- xi) Flat Pocket
- xii) Any other (Any six) (½x6=3)

Precautions for storing silk-

- i) Remove perspiration by airing after wearing
- ii) Dry clean /wash before storing
- iii) Lay newspapers in box
- iv) Store in clean and dry box
- v) Put insect repellent
- vi) Do not put naphthalene balls if silk has zari
- vii) Any other (Any four) (½x4=2)
(3+2=5)

Q23. What do you understand by the term 'Family Income'?

- a) Explain all the three components of family income with suitable examples.
- b) Write any two ways by which you can supplement your family income.

Family Income: Sum total of all incomes/ it is stream of resources available to a family such as money, goods and services and the satisfaction the family derives from using these resources over a period of time

(1mark)

i) Three components of family income:

- i) Money Income: Cash available to a family from any source e.g. salary, rent etc.
- ii) Real Income: Stream of goods and services available to a family with or without use of money e.g. use of family assets, fringe benefits etc.
- iii) Psychic Income: Flow of satisfaction derived from use of money and real income

(1x3=3)

ii) Two ways to supplement family income:

- i. Part-time jobs
- ii. Income generating activity in spare time
- iii. Investing money judiciously
- iv. Reducing expenditure
- v. Use of community resources
- vi. Any other

(Any two)

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

(1+3+1=5)

Q24. Educate your maid who has six month old child about the nutritional needs of infants and importance of exclusive breast feeding for health and development. Suggest to her any four dietary recommendations for complementary feeding.

Nutritional needs of infants:

- i) Proteins-for rapid body growth,
- ii) Calcium-for calcification of bones,
- iii) Calories- for growth, high metabolic rate
- iv) Iron- for increasing blood volume
- v) Vitamin A- for healthy skin and vision
- vi) Vitamin B- for development of nervous system
- vii) Vitamin C- for building immunity against diseases

(Any two)

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

Importance of exclusive breast feeding:

- i) Rich in antibodies / Protects child from infection / provide immunity
- ii) Nutritionally balanced
- iii) Available at right temperature
- iv) Hygienic and convenient
- v) Develop rapport between mother and child
- vi) Any other

(Any four)

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

Four dietary recommendations for complementary / supplementary feeding:

- i) Introduce one food at one time.
- ii) Small quantities should be fed
- iii) Do not force the child to eat
- iv) Avoid spicy foods
- v) Give variety
- vi) Smooth consistency
- vii) Fresh and hygienically prepared
- viii) Avoid fried food
- ix) Any other

(Any four)

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

(1+2+2=5)

Q25. Nowadays the Government has taken the initiative of building old age homes. What six facilities should an ideal old age home have? Write two benefits and two drawbacks of living in an old age home.

Six facilities an ideal old age home should have:.

- i) Separate room
- ii) Attached toilet/kitchen
- iii) Medical facilities
- iv) Recreational facilities (indoor and outdoor games)
- v) Lawns and grounds for walks/exercise
- vi) Hygienically prepared therapeutic meals
- vii) Centrally located /Easy access to a hospital, bank
- viii) Safety – falls, slippage /thefts etc.
- ix) Well lit/ventilated
- x) Disabled friendly facilities
- xi) Any other

(Any six)

($\frac{1}{2} \times 6=3$)

Two benefits of living in an old age home:

- i) Company of own age / Can share common problems/empathy
- ii) Do not have to do household chores and maintain house
- iii) Under expert / constant supervision and care
- iv) Can pursue own interests /hobbies /religious activities
- v) Any other

(Any two)

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

Two drawbacks of living in an old age home:

- i) Have to adjust to new people
- ii) Lack of privacy and freedom
- iii) Expensive
- iv) Feel lonely being away from relatives.
- v) Restrictions on timings /schedule/forced to follow a routine
- vi) Too small rooms /cramped room
- vii) Any other

(Any two)

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

($3+1+1=5$)