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)   (½×4=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.
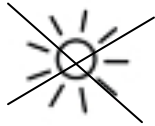 **i.** **For washing:**

           OR   (Any one)

  ii. **For drying:**
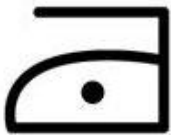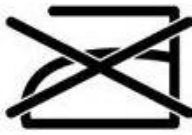

    OR   OR   (Any one)

  iii. **For ironing:**

       OR   (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)   (½x4=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 24×7
   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)   ($1/_2 \times 8 = 4$)

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)

                                                                  (½ x8=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)   (½x4=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)   (1×2=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 repellant
          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)   (½× 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)   (½×2=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)   (½×4=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)   (½×4=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)   (½ x6=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)   (½x2=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)   (½x2=1)
                                                                      (3+1+1=5)

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