

CLASS XII HOME SCIENCE (064) MARKING SCHEME (2016- 2017)

DELHI LOCAL 69/1

- 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 value points for each answer as given in the Marking Scheme.
- III. All the Head Examiner/ 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.

1. Other than FSSAI, mention the standard marks you should check while buying a bag of wheat flour and a bottle of mango pickle ? [1]

- i. Wheat flour – Ag mark
- ii. Mango pickle – FPO [½ x2=1]

2 List any two facilities which are provided for the workers at the worksite , under MGNREGA . [1]

Provision of:

- i. Shade
- ii. First aid
- iii. Drinking water ,
- iv. Crèche

(Any two) [½ x2=1]

3 Inform the staff at the ICDS centre about the change in daily needs of protein for pregnant women. [1]

55gm +23gm / 78 gm /+23 gm



[1 mark]

4. Draw a symbol which indicates the quality and purity of a silk sari. [1]



Note: marks not to be deducted for poor drawing. [1 mark]

5. Draw suitable symbols for the care label of a dress that indicates that it should not be 'tumble dried' and should be 'ironed at low heat'. [1]

i.  Do not Tumble dry ii)  Iron at low heat [1/2 + 1/2=1]

6. Mention two indicators by which you will know the dress has been cut along the selvedge. [1]

- i Good drape
- ii Garment hangs well
- iii Stretches widthwise
- iv Comfortable to wear
- v Fits well
- vi Warp and weft at 90° / right angle
- vii Any other

(Any two) [1/2 X 2 =1]

7 Write four reasons as to why you do not like to buy your clothes through the internet. [2]

- i. Cannot touch and feel the fabric
- ii. May not like the clothes when worn
- iii. May not be of same size/ color
- iv. May have to wait for long if need replacement
- v. Quality may be substandard
- vi. May be victim to fraud
- vii. May have poor workmanship
- viii. Too many options may lead to confusion
- ix. May be damaged/have holes/tears
- x. Any other

(Any four) [1/2 x4=2]

8 Mrs Jain has expertise in apparel science and has opened a boutique. She is not able to earn any profit from it . Suggest her four ways to expand her business in her field. [2]

- i. Open units for screen printing / block printing / embroidery/ tie and dye
- ii. Open a coffee shop in her boutique
- iii. Garment repair shop
- iv. Sell accessories, jewellery in her boutique
- v. Sell online / advertise and spread publicity/participate in exhibition
- vi. Shift the unit to a locality with more clients
- vii. Give discounts /sales/ buyers points to attract customers.
- viii. Become a retailer / merchandiser
- ix. Any other

(Any four)

[½ x4=2]

9 After retiring Mr. Gupta gets bored at home. Suggest at least four activities which can help to fulfil his recreational needs. [2]

Activities to fulfil recreational needs :

- i) Read newspaper, books, magazines/ join a library
- ii) Watch favourite programme/play/movie
- iii) Do some creative work/ gardening/ sports
- iv) Play games on cellphone
- v) Go on trip/cruise /picnic
- vi) Listen to music of own interest
- vii) Join clubs for entertainment.
- viii) Any other

(Any four)

[½ x 4=2]

10. What could be two conditions under which the Food Safety and Standard Authority of India (FSSAI) has declared the jaggery as adulterated? List two health hazards of consuming such jaggery. [2]

Conditions under which FSSAI declared the jaggery as adulterated

- i Jaggery adulterated with metanil yellow/ impurities /grit
 - ii prepared under unhygienic conditions
 - iii Made from insect infested /rotten sugarcane.
- (Any two) [$\frac{1}{2} \times 2 = 1$]

Health hazards of Metanil yellow:

- i Cancer
 - ii Abnormalities of skin, lungs, eyes, bones
 - iii Degeneration of reproductive organs
 - iv Sterility.
 - v Anaemia,
 - vi Lead accumulation
 - vii Mental retardation
- (Any two) [$\frac{1}{2} \times 2 = 1$]

OR

Effects of impurities/grit

- i. Gastrointestinal disturbances
 - ii. Stones
- [$\frac{1}{2} \times 4 = 2$]

11 You plan to buy a durable fabric of a reputed brand from a reputed shop. What four features of the fabric you need to check to ensure its durability? [2]

- i Uniform yarns/ blended yarns/multi -ply yarns
 - ii High thread count
 - iii Sanforized / mercerised finish
 - iv Plain/rib /twill weave
 - v Warp and weft yarns are not off grain
 - vi Any other
- (Any four) [$\frac{1}{2} \times 4 = 2$]

12 While designing a dress for an infant, what four features you would definitely keep in mind? [2]

- i Opening at shoulders
- ii Large necklines/plackets
- iii Extra allowance at hem and seams
- iv Flat seams
- v Reinforced knees
- vi Correct size
- vii Minimum trimmings
- viii Any other

(Any four)

[½ x4=2]

13. In spite of using chlorine tablets, the drinking water was declared unsafe. What could be four possible reasons for this? [2]

- i Ratio of chlorine and water was not correct
- ii Tablets expired
- iii Tablets kept in moist place
- iv Cap and mouth of bottle not rinsed
- v Tablet not dissolved completely
- vi Tablet not left in water for 10 mins /20 mins, if water more dirty
- vii Higher amount of pesticides/chemicals than permissible
- viii Any other

(Any four)

[½ x4=2]

14 Sixteen year old Garima 's friend Gunish wants to get physically intimate with her against her wishes. If you were Garima, in what four ways would you have refused him? Also give two reasons for your refusal? [3]

Four ways of refusal

- i. Say no very firmly and clearly without saying sorry
- ii. Maintain distance with him
- iii. Move away from scene
- iv. Diffuse the situation by involving adults/others
- v. Any other

(Any four)

Reasons:

- i. STDS, AIDS/etc.
- ii. She is under age
- iii. Her body not yet fully developed to bear consequences
- iv. Social stigma attached to premarital sex/pregnancy
- v. Not mentally ready
- vi. Any other

(Any two)

[½ X 6 = 3]

15. Convince Sunil by giving three reasons to record his monthly expenses. Present a suitable format of this recording. [3]

Reasons for recording expenses

- i. Become aware of wasteful expenditure
- ii. Money lasts throughout month
- iii. Will use money more judiciously
- iv. Can compare prices and expenses of previous month
- v. Prioritise expenses
- vi. Any other (Any three)

Format for monthly record

Items	Week I	Week II	Week III	Week IV	Monthly Total	
Weekly Total						Grand Total

[1 ½ mark]

$$[1\frac{1}{2} + 1\frac{1}{2} = 3]$$

16. Elaborate eight possible mistakes a consumer makes which prevent him from filing a complaint in the consumer court [4]

- i. Did not take authentic bill
- ii. Did not get warranty card stamped
- iii. Did not buy a product with standard mark.
- iv. Did not buy from authorised dealer
- v. Did not read instructions before reading the product
- vi. did not send registered AD to opposite party about the complaint
- vii. Did not file within two years.
- viii. Did not submit any affidavit to support her complaint
- ix. Did not approach the right forum
- x. Did not fill complete details like name address, etc
- xi. Did not pay fees
- xii. Was not aware of his\her consumer rights

(Any eight)

$$[\frac{1}{2} \times 8 = 4]$$

17. Identify eight such areas in the kitchen where unhygienic conditions can develop and hence need your attention . [4]

- i Clogged wire mesh
- ii Dust and grime on tube lights and fans
- iii Grease on exhaust fan
- iv Stained/dirty tiles and work surfaces ,floors
- v Dustbins-unlined / not emptied/ not covered
- vi unsealed crevices /cracks
- vii Cobwebs in corners
- viii Drains and cockroach traps
- ix Kitchen cupboards /shelves
- x Any other

(Any eight)

[½ x8=4]

18. Compare the responsibilities of married women aged 24 and 50 years in context to their marriage , career , home and family. [4]

24 years	50 years
i. marriage - trying to understand spouse / any other	i. good understanding/ know how to deal with each other / any other
ii. career - learning new things – on the job training /any other	ii. well established at work- peak of career/hold top positions/ any other
iii. home – learning household chores /any other	iii. Good at household chores/ any other
iv. Family - start a new family / any other	iv. Launching/ settling children /looking after grand children/ any other

(1 mark for each difference)

[1x4=4]

19 Jaspreet kaur, a nurse lives with her parents in Punjab . Briefly explain any four factors which would influence her selection of foods. Tell her four reasons why she should plan meals for her family. [4]

Note: All factors to be explained

Factors influencing selection of food

- i. Religion –her choices would be influenced by her religion
 - ii. Region –will select locally available food
 - iii. Climate- select according to climate foods
 - iv. Age- as per nutritional requirement of all family members
 - v. According to likes and dislikes
 - vi. Activity- will plan meals which have more calories than sedentary workers
- (Any four)

Reasons for planning meals

- i Ensure nutritional needs for all members
- ii Ensures variety within available resources
- iii Ensures satiety and taste
- iv Keeps within budget
- v Saves time, energy, fuel

(Any four)

[$\frac{1}{2}$ X 8= 4]

20 . “Two major problems faced by consumers are regarding information and price of consumer products.” Elaborate this statement with the help of four examples each. [4]

Problems regarding lack of information.

- i Labels may not give complete information.
- ii Shopkeeper refuses to give leaflets.
- iii The print may be blurred, overlapping ,crammed information /very small font.
- iv The leaflets are mostly out of print.
- v Leaflets are not written in local language.
- vi Any other

(Any four)

Problems regarding price

- i. Prices are not fixed.
- ii. Prices in two shops also vary.
- iii. Shopkeepers charges more than highest MRP (Maximum Retail Price)
- iv. They sell loose products and charge any price.
- v. Substandard /poor quality goods are sold for the price of good quality popular brands.
- vi. The cost of decorations, extra lights, air conditioner, are added in the price .
- vii. Any other

(Any four)

[$\frac{1}{2}$ x8=4]

21. Reena removed stains from her dress before finally storing it in the box. After three months she was shocked to see patches and holes in it. State four things she did wrong in each case i.e. while removing stains and in storing the dress. [4]

Stain removal

- i. Used wrong chemicals
 - ii. Used wrong procedure
 - iii. Did not rinse all traces of chemicals
 - iv. Used strong/concentrated chemicals
- (Any four)

Storing

- i. Did not remove starch/ gum
- ii. Did not wash them before storing
- iii. Did not dry completely /did not keep them in dry place
- iv. Did not spray boxes with insecticide
- v. Did not remove all pins before storing
- vi. Did not line storage box with newspapers.
- vii. Any other

(Any eight)

[$\frac{1}{2}$ X 8 = 4]

22. Compare any five features of Senior Citizen Scheme and PPF(Public Provident Fund).

	FEATURES	PPF	Senior Citizen Scheme
i	Rate Of Interest	Lower Rate Of Interest or 8.1%/ 7.9%	Higher rate or 8.6 %/ 8.5%
i	Interest Is Tax Free / Not Taxable	Interest Is Tax Free	Interest Is Taxable
ii	Loan facility	Can Take Loan	No Loan Facility
iii	Premature Withdrawal	Premature Withdrawal (After 6 Years)	No Premature Withdrawal without penalty
iv	Lock in period /time period	15 Years Can Extend To 5 + Years (Block Of 5 Years)	5 Years Can Be Extended For 3 Years
v	Deposit	Once In A Year Or In 12 Instalments Per Annum	Can Deposit In lumpsum
vi	Max limit	Maximum Deposit 1½ Lakh Per Annum	Maximum- 15 Lakh (One Time)
vii	Who can invest?	Any One (Can Open only One Account)	Only Senior Citizens Or Those Who Have Taken Voluntary Retirement
viii	Tax rebate	Tax Rebate Facility	Tax Rebate Facility
x	Premature closure	Premature closure Allowed In Special Cases (Higher Studies. Illness)	Premature Closure Allowed With Penalty After 1 Year.
xi	Compound interest	Interest Accumulated And Earns Interest	Interest Not Accumulated And Transferred To Savings Account (@ 4%) Every Quarter
xii	Wealth tax	Exempted From Wealth Tax	Not Exempted From Wealth Tax

Any five differences [1 x5=5]

23. Identify any five socio-emotional changes in adolescents. How do these changes influence their personality? [5]

Socio-emotional changes and their influence

- i. **Mood swings** -emotionally unstable - sometimes sad/depressed/ and next minute cheerful / happy.
 - ii. **Rebellious-** -argumentative/flaunt rules/uncooperative
 - iii. **Search for identity--**
 - **Identity Crisis-** confused ,whether child or adult / feel insecure
 - **Identity formation** – makes them confident
 - iv. **Give more importance to peers -**
 - **positive influence** – good behaviour, academics /dressing up , language ,
 - **negative influence** -may indulge in delinquent behaviour, slangs ,verbal abuses, etc
 - v. **Change in relationship with parents/family**-Love-hate relationship with parents/siblings- Refuse to listen to parents, want privacy
 - vi. **Assertion of independence-**
 - Want to get involved in decision making for themselves and family / become confident/want freedom.
 - Sceptical /cynical
 - vii. **Social maturity/Idealism-** Have a sense of right and wrong and want to change the system and processes.
 - viii. **Feeling of uniqueness/ invincibility/ individuality-- engage in risk** –taking behaviour, becomes impulsive.
 - ix. **Attraction towards opposite sex-** crushes/ feels inadequate/ shy
 - x. **Become competitive** /possessive/bully/ can go to extreme behaviour /destructive
- (Any five with explanation)

[1 X 5 =5]

24. A family has been served chole-bhatura, pickle and curd for lunch. Evaluate the adequacy of this meal to suit the requirements of a pregnant woman and a family member suffering from hypertension. Also suggest modifications in it for them. Support your answer with adequate reasons.

Evaluation of adequacy of meal for pregnant woman

1. Given meal have adequate amount of proteins (chole and curd), carbohydrates (bhature), calcium (curd), vitamin C (pickle) and fats (bhature).
 2. It lacks fruits and green leafy vegetables which are important sources of folic acid, Vitamin A, vitamin C, and zinc for pregnant woman.
 3. Meal also lacks adequate amount of fibre.
- Any other (Any one) $\frac{1}{2}$ mark

Modifications in meal for pregnant woman with reasons

1. **For folic acid** : give mint chutney/ any other

Reason : Folic acid is needed for regeneration of blood cells, and prevents co-genital abnormalities

2. **for vitamin A** -add kasuri methi/ palak/ coriander in chole /any other

Reason : vitamin A helps in embryo development and fight infections

3. **For vitamin C** - Add tomatoes/ lemon/ amla in chana / any other

Reason : vitamin prevents infections and helps in iron absorption

4. **For zinc**: Add pinenuts/til/flax seeds in chutney/ any other

Reason : for cell growth or prevents miscarriage/ improve immune system

5. **For iron** add anar/ beetroot/raisins to curd / Any other

Reason: to prevent anaemia and develop immunity

6. **Add fibre** by giving green leafy vegetables

Reason: to prevent constipation.

7. Spices can be removed from chole

Reason: to prevent acidity.

(Any two modifications with reasons) $1 \times 2 = 2$

Evaluation of adequacy of meal for person suffering from hypertension

1. Fruits and vegetables group is missing.
2. Meal lacks fibre.
3. Meal lacks fluids.
4. Fried foods not suitable for hypertension
5. Pickle is not suitable as it contains excess of salt and spices.
6. Any other (Any one) $\frac{1}{2}$ mark

Modifications in meal for person suffering from hypertension

1. **Add fibre** by adding spinach/ coriander in chole/ Add fruits like apple/banana to curd .

Reason: to flushing out excess sodium and add potassium.

2. **Add fluids** – Give more curry and less chole/ give lassi

Reason- to flush out excess sodium

3. **Reduce salt and spices**

Reason- to lower the blood pressure

4. **Give less calories** - Instead of bhatura, give chapatti or multigrain chapatti

Reason - For reducing weight

(Any two modifications with reasons) [1x2=2] [2 $\frac{1}{2}$ +2 $\frac{1}{2}$ =5]

25 Usha wants to design a salwar kameez for school children. Draw and explain how she can use all the five principles of design in this dress. [5]

- i. **BALANCE (any one)**
 - **Formal Balance**-Similar motifs/trimmings /patterns on both sides of the garment / sleeves
 - **Informal Balance** Design on one side balanced by motif / piping / pocket/ logo on other side
 - Any other
- ii. **Rhythm –(any one)**
 - **Repetition** of piping/motifs / print/ trimmings on sleeves/neckline/ hem
 - **Radiation**-Puff sleeves in shirt
 - **Gradation** of colour
 - **Parallelism**-Pintucks on shirt
 - Any other
- iii. **Harmony/unity –(any one)**
 - Salwar and dupptta having matching colour/ texture/ print as on kameez
 - Repetition of border / piping on salwar and kameez
 - Any other
- iv. **Proportion(any one)**
 - Size of pocket is proportionate to the size of kameez
 - Size of collar / pocket is proportionate to the border
 - Size of shirt is proportionate to the length of salwar
 - Any other
- v. **Emphasis(any one)**
 - Logo on the pocket
 - Embroidery on the neckline
 - Contrast colour/ piping / pocket etc.
 - Any other

(Note : ½ marks for explanation and ½ for illustration)

[1 X 5 =5]
