

# CBSE Class 12 Home Science Solved Paper 2022

## SECTION A

**1. The invention of sewing machine turned handicrafts into an industry. In which year and by whom was the foot treadle for the sewing machine invented ? 2**

**Ans:** Year- 1859

Invented by - Isaac Singer

**2. What is the importance of radio and television in Development Communication ? 2**

**Ans:** Importance of radio and television in Development Communication-

- 1. Reach out to the masses
- 2. Easy to access/Popular
- 3. Suitable for people, particularly those with low literacy levels
- 4. Convenient to use
- 5. Dissemination of knowledge and information
- 6. Creating awareness through PSA/Community Radio/Satellite TV
- 7. Repeated broadcast helps in retention
- 8. Inexpensive mode - Radio
- 9. Mobile medium -Radio (Any other, Any four)

**3. (a) Mrs. Gupta wants to open her own boutique. Name any four principles of design which would help her in designing clothes. 2**

**Ans:** Four principles of design -

- 1. Proportion
- 2. Balance
- 3. Emphasis
- 4. Rhythm
- 5. Harmony
- 6. Composition (Any four)

**OR**

**(b) Renu wants to create a dress for herself using neutral colours. What is the other name for these colours? Also, give three examples of neutral colours. 2**

**Ans:** Other names of neutral colours- Achromatic. Examples – White/ Black / Brown/ Grey/ Metallic colours (Gold/Silver/Copper/Bronze). Any other, Any three examples

**4. Explain 'pulsation' as a method of washing clothes to your mother. 2**

**Ans:** Pulsation-

- 1. Used in top-loading washing machines.

- 2. A vertical pulsator causes the movement.
- 3. The vertical pulsator has very rapid movements vertically.
- 4. Water moves through the clothes. (Any other, Any two)

**5. (a) Haria is a woman labourer. Tell her the full form of 'SEWA', a union associated with women at grassroots level. Also elaborate its two objectives. 2**

**Ans:** Full form of SEWA- Self-Employed Women's Association

Two objectives-

- 1. To achieve full employment and self-reliance for women workers.
- 2. To support women in income generation, food and shelter, and social security.
- 3. To include ICTs/IT training/CLC training centres within its work. (Any other, Any two)

**OR**

**(b) Explain to your sister, the meaning of the term ICT and give its two advantages. 2**

**Ans:** The Meaning of the term ICT- Information and Communication Technology -is an umbrella term that includes computer hardware and software, digital broadcast and telecommunication technologies.

Advantages –

- 1. Used for informing people/creating awareness.
- 2. Has enabled and facilitated the expansion of markets, social business and public services.
- 3. Helps in banking and financial transactions, marketing and distribution, employment and public services.
- 4. It is economically, socially, and politically transformative.
- 5. Aimed at improving/bettering the lives of the poor through the setting up of tele-centres.
- 6. Quick dissemination of information.
- 7. Saves resources- Time, energy, paper, etc. (Any other, Any two)

**6. Write the difference between a Hotel and a Motel. 2**

**Ans:** HOTEL: It is a commercial establishment offering lodging, meals and other services to its guests.

MOTEL: It provides services like a hotel and provides a parking facility near the room or a room door that opens out onto the parking lot, usually situated on highways.

**7. Give reasons for the following :**

**We should check standardization marks while purchasing goods. 2**

**Ans:** We should check standardisation marks while purchasing goods to ensure-

- 1. Quality of the goods
- 2. Purity of the goods

- 3. Safety
- 4. Value for money (Any other, Any two)

## SECTION B

### 8. (a) Explain three types of fashion retail organisations. 3

**Ans:** Three types of fashion retail organisations-

- 1. Small Single-Unit store
  - Neighbourhood stores
  - Owner and family-operated single stores (Any other, Any one)
- 2. Department stores
  - Consists of separate sections known as Departments, such as clothing, sports goods, health and beauty products, etc.
  - Some may sell food products also (Any other, Any one)
- 3. Chain stores
  - These are retail outlets
  - Share a brand and central management
  - Usually have standardised business methods and practices (Any other, Any one)

**OR**

**(b) Shweta wants to be an interior designer.**

**(i) Which functions will she need to perform in this profession?**

**(ii) Suggest to her two other career options related to fashion design. 3**

**Ans:** (i)

- 1. To introduce interior concepts that will increase the beauty, safety and functionality of a particular space or area.
- 2. Combine form with function perfectly.
- 3. Work in a variety of settings including retail stores, residential homes, offices, hospitals, hotels, etc. (Any other, Any two)

**(ii) Suggest to her two other career options related to fashion design.**

- 1. Visual Merchandise Designer
- 2. Fashion Designer
- 3. Set Designer (Any other, Any two)

### 9. Describe any two methods of water extraction from clothes. State the optimum speed of the spinning tub in a washing machine. 3

**Ans:** Two methods of water extraction-

- 1. Spinning
  - At a speed greater than 300 rpm.
  - Generates a centrifugal force which in turn throws the water up and down.
  - This water is pumped down the drain. (Any other, Any one)
- 2. Bottom-drain

- Machines with perforated tubs stop at the end of the wash phase and then at the end of the rinse phase and drain water through the bottom.
- At the end of the drain period, the tub begins to spin again, which removes the remaining water from clothes. (Any other, Any one)
- 3 . Combination Bottom-Drain and Spin
  - Machines drain through the bottom without stopping, i.e., the bottom draining occurs during the spin period.
  - Provides the best water extraction as it removes the heavy dirt at the bottom and dirt suspended in water. (Any other, Any one)

(Any two methods with a brief explanation)

The optimum speed of the spinning tub is approximately 600–620 rpm.

**10. Ramesh wants to pursue a course in Development Journalism. Explain to him any three career avenues and scope of this course. 3**

**Ans:** Three career avenues and the scope of this course-

- 1. Development Journalist in Print, TV, Radio, community media, traditional media, Radio jockey, Anchor.
- 2. Research scholar in research organisations to study aspects/ issues in gender and development, environment, consumption behaviour, health, agriculture and livelihood issues, etc.
- 3. Trainer to train the grassroots level and field functionaries, policy makers.
- 4. Work in corporate houses.
- 5. Freelancer and/or consultant for organisations. (Any other, Any three)

## SECTION C

**11. Nikita is a fashion designer.**

**(a) She wants to design a saree blouse for herself using complementary colour scheme/harmony. Explain this colour scheme and also give one suitable example.**

**(b) She is designing a kurta for her friend, who has an enlarged belly. Using elements of design, suggest to her two ways by which she can shift emphasis away from the belly.**

**Support your answer with suitable diagrams. 2+2=4**

**Ans:** (a) Complementary Scheme/Harmony- It is a type of contrasting colour scheme. It uses two hues/colours that lie directly opposite to one another on the Colour Wheel. For example- Green saree with red blouse. Any other, Any one example

(b) Ways of using elements of design to shift emphasis away from the belly-(Emphasis can be shifted from enlarged belly to other parts of the kurta like neckline/collars/sleeves/yoke/hem)

- 1. Lines-
  - Use of vertical lines/thin vertically diagonal(oblique) lines
  - Avoid horizontal/curved lines
- 2. Colour-

- Use contrasting colours/dark colours
- Avoid related colours/light colours
- 3 . Texture-
  - Use fine and smooth fabric
  - Avoid coarse/stiff/clinging/flowing out fabric
- 4 . Shape and Form-
  - Use A-line shapes
  - Avoid gathers
- 5. Pattern-
  - Use small prints/designs/motifs
  - Avoid big and bold prints/designs/motifs

Any other, Any two ways with diagrams

***For Visually Impaired Candidates only :***

Same answer. No need to draw diagrams.

**12. (a) The Housekeeping Department of a hotel is divided into several sections in order to function efficiently. Name any four of these sections. Mention any two duties of the Executive Housekeeper in the Housekeeping Department. 4**

**Ans:** (a) Sections of the Housekeeping Department-

- 1. Housekeeping control desk
- 2. Housekeeping management
- 3. Guestroom brigade
- 4. Public Area Brigade
- 5. Linen and uniform room
- 6. Horticulture and flower arrangement team
- 7. Lost and found section (Any other, Any four)

Duties of Executive Housekeeper -

- 1. Responsible for managing the functioning of the department through judicious use of manpower, materials, money, time and other available resources.
- 2. Check the schedules.
- 3. Check the cleanliness.
- 4. Checks all functions of the housekeeping department. (Any other, Any two)

**OR**

**(b) Your brother has recently joined the Food and Beverage Department of a hotel. Briefly discuss any two service departments involved in the Food and Beverage Department. 4**

**Ans:** Service departments involved in the Food and Beverage Department-

- 1. Kitchen-
  - A place where food is prepared.
  - In large hotels, kitchens may have independent sections for food preparations like bakery and confectionery, vegetable preparation, etc.

- In smaller hotels, the kitchen may have combined the sections.
- There could be various staff/kitchen crew -Chef de cuisine,
- Deputy chef, Chef-de-parties, Cooks, etc.
- High standards of hygiene should be maintained.
- 2. Kitchen Stewarding-
  - Concerned with the storage and maintenance of the kitchen.
  - Responsible for the cleanliness of the kitchen.
  - Issues cutlery, crockery and glassware to the restaurant and kitchen.
  - There could be various staff-Executive kitchen steward, Kitchen steward, Utility worker, etc.
  - Staff must have high standards of grooming, basic etiquette and good manners.
- 3. Restaurant -
  - Provides food and beverages to the customers.
  - It is equipped with dining tables, chairs and other required furniture with crockery, cutlery, linen and décor according to the establishment.
  - It has various staff members- Restaurant Manager,
  - Restaurant Supervisor, Head Waiter, Waiters/ Stewards, etc.
  - Staff must have thorough knowledge of the ways of serving the food.
  - Staff must have high standards of hygiene, basic etiquette and good manners.
- 4. Banquets
- 5 . Room service
- 6.Bar/coffee shops (Any other, Any two service departments with brief explanation.)

**13. (a) Which two malpractices does your neighbourhood grocery seller use to deceive consumers?**

**(b) As an alert consumer, which are your two consumer rights in this context?**

**(c) Draw the standardization mark you should look for in a bottle of packaged drinking water. 2+1+1=4**

***For Visually Impaired Candidates only :***

**(c) Name the standardization mark only. No need to draw diagram.**

**Ans:** (a) Malpractices used to deceive consumers-

- 1. Substandard/Poor Quality Goods
- 2. Adulteration
- 3. High Prices
- 4. Incomplete/Misleading labels
- 5. Low-quality products in attractive packaging
- 6. Incorrect weights and measures
- 7. Duplicate/imitation products
- 8. Enticing sales promotion gimmicks

**(b) Consumer rights-**

- 1. Right to Safety
- 2. Right to Choose
- 3. Right to be Informed
- 4. Right to be Heard
- 5. Right to Seek Redressal
- 6. Right to Consumer Education (Any two)

(c) ISI Mark



For Visually impaired candidates – (NO NEED TO DRAW THE MARK)

- 1. ISI
- 2. FSSAI (Any one)

BioSmartNotes