

Home Science Sample Paper Class 12 2024

Time: 3 hours

Maximum Marks: 70

Section A

1. Hot pant is an example of-

- a. Classic
- b. Fashion
- c. Fads**
- d. Style

2. Which of the following is not the guiding principle of ECCE?

- a. Blend of textual and cultural sources
- b. Experiential learning is emphasized
- c. Based on only informal interaction**
- d. Health, well-being, and healthy habits

3. Which Article of the Constitution of India guarantees equality of opportunity for all citizens in matters related to employment?

- a. Article 16(1)**
- b. Article 16(2)
- c. Article 26(1)
- d. Article 36(2)

4. Name the psychologist who emphasized on supportive environment for young children.

- a. Piaget**
- b. Maria Montessori
- c. Vygotsky
- d. Sigmund Freud

5. Which of the following methods of washing is usually used in front-load washing machine?

- a. Agitation
- b. Pulsation
- c. Tumbling**
- d. Crumbling

6. Aditya is wearing dark pink kurta with light pink pajama. Which colour harmony is he referring to?

- a. Analogous
- b. Achromatic
- c. Accented
- d. Monochromatic**

OR

The shapes that do not resemble any specific objects are-

- a. Natural
- b. Abstract**
- c. Stylised
- d. Geometric

7. What is the full form of SEWA?

- a. Self-employed women's association**
- b. Self-employed workforce association
- c. Sustainable employability of women artisans
- d. Self-empowered women Association

8. The beneficiaries of NOAPS should be above -

- a. 65 years with destitute status**
- b. 62 years with disrepute status
- c. 58 years with substitute status
- d. 60 years with constitute status

9. Find the incorrect statement from the following:

- a. Working and earning one's livelihood offers scope for hope, self-esteem, and dignity.
- b. Meaningful work is useful to society or others, is done responsibly, and is enjoyable to the worker.
- c. A livelihood is driven by a deep desire to excel and a passionate need to grow.**
- d. Work is a set of activities with an intended set of outcomes.

10. Select the correct pair.

- a. Application of scientific knowledge in food production:
- b. Transformation raw ingredients into finished and semi-finished products: Food processing**
- c. Mass production of food products: Food technology
- d. Changes that occur at various stages of food: Food manufacturing

11. Match List I with List II

List I (Youth Programmes)	List II (Activities)
A. National Service Scheme	I. Adult Education
B. Scouts and Guides	II. Study of flora and fauna
C. Promotion of Adventure	III. Organising Rallies
D. National Service Volunteer Scheme	IV. Tree plantation

Choose the correct option from the following-

- a. A – III; B – IV; C- II; D – I
- b. A – IV; B – III; C- II; D – I**
- c. A – II; B – III; C- IV; D –I
- d. A –I; B –II; C-III; D – IV

12. Match List I with List II

List I (Mode of communication)	List II (Features)
A. Radio	I. Economic activity
B. Press	II. Most popular
C. Television	III. Pillar of Democracy
D.ICT	IV. EDUSAT

Choose the correct option from the following-

- a. A – III; B – IV; C- II; D – I
- b. A – IV; B – III; C- II; D – I
- c. A – II; B – III; C- IV; D –I**
- d. A –I; B –II; C-III; D – IV

13. Ergonomics is the judgment of adjustment of human and machine, which involves application of human biological sciences combined with engineering science to achieve optimum mutual adjustment of human work, with the benefit being measured in terms of human efficiency and well-being. It is important for

- i. Improving job effectiveness
- ii. Improve social interaction of workers
- iii. Reducing productivity
- iv. Improving Economic infrastructure of the country

Choose the correct option from the following-

- a. i and ii
- b. ii and iii
- c. i and iv
- d. iii and iv

OR

Which of the following soft skills are required by a person who wants to join textile industry?

- i. Learning effectively
- ii. Positive health
- iii. Communicating clearly
- iv. Prevention of negative behaviour

Choose the correct option from the following-

- a. i and ii
- b. ii and iii
- c. i and iii
- d. iii and iv

14. Knowledge in area of consumer education and protection can help to develop career in -

- i. Government and Non-Government organizations
- ii. Journalism and Audio-visual publicity
- iii. Merchandising and forensic science
- iv. Financial advisor

Choose the correct option from the following-

- a. i and ii
- b. ii and iii
- c. ii and iv
- d. i and iv

SECTION B

Read the passage carefully and answer question no. 15 to 18

Food safety and quality are important at the home level, but are critical in large-scale food production and processing, and also where food is freshly prepared and served. In the past, many foods were processed at home. Advancement in technology and processing, higher per capita incomes and better purchasing power, as well as increased consumer demand, have led to a variety of processed foods, food for health / functional foods being manufactured. Safety of such foods needs to be assessed.

15. Which of the following is incorrect pair?

- a. Seeds: Physical Hazard
- b. *Salmonella*: Biological Hazard

c. Probiotics: Chemical Hazard

d. Hepatitis: Pathogen

16. Which of the following is responsible to eliminate false labelling of the products?

a. GMP

b. GHP

c. HACCP

d. GDP

17. Given below are two statements labeled as Assertion (A) and Reason (R).

- **Assertion (A):** Your mother is suffering from skin disease, and doctor has advised her not to work in the kitchen.
- **Reason (R):** Staphylococcus aureus are also present in the nasal passage, throat and on skin, hair of healthy individuals too.

Select the most appropriate answer from the options given below:

a. Both A and R are true, and R is the correct explanation of A.

b. Both A and R are true, but R is not the correct explanation of A.

c. A is true, but R is false.

d. A is false, but R is true.

18. Given below are two statements labeled as Assertion (A) and Reason (R).

- **Assertion (A):** FSSAI is responsible for framing of regulations to lay down the standards and guidelines for articles of food and system of enforcing various standards.
- **Reason (R):** It also lays down mechanisms and guidelines for accreditation of certification for international exchange of goods and services.

Select the most appropriate answer from the options given below:

a. Both A and R are true, and R is the correct explanation of A.

b. Both A and R are true, but R is not the correct explanation of A.

c. A is true, but R is false.

d. A is false, but R is true.

SECTION C

19. Despite the rich heritage of traditional occupations, in the modern context, these works of art are gradually losing out to mass-produced goods.

Suggest any four areas where interventions are required for the revival of these occupations.

Ans: Four areas where interventions are required for the revival of traditional occupations-

- 1. Innovation in design
- 2. Implementing preservation and refinement strategies
- 3. Use of eco-friendly raw materials and packaging

- 4. Establishment of training facilities
- 5. Conservation of traditional knowledge
- 6. Protection of intellectual property rights (IPR) (Any other, Any four)

20. Mention four stages of guest cycle to Mr. Anurag who has recently joined the Front Desk.

Ans: Four stages of the guest cycle-

- 1. Pre-arrival stage- Quoting rates for a guest. Reserving a room as part of the central reservation system or the reservation department.
- 2. Arrival Stage – The Guest arrives and registers or checks in.
- 3. Occupancy- Provides various services as per the guest's requirements, ensuring the security of the guest and coordination of various guest services.
- 4. Departure- The guest is ready to leave/move out or “check out” of the accommodation. (Any four stages)

OR

Mr. Sushant is the hospitality management graduate. He joined the hotel as front office receptionist. What will be his four duties/responsibilities?

Ans: Four duties/responsibilities of Front Office Receptionist -

- 1. Reserves rooms for the guests
- 2. Registering guests
- 3. Assigns rooms to the guests
- 4. Provides information to guests during their stay in the hotel (Any other, Any four)

21. Give four objectives of diet therapy.

Ans: The four objectives of diet therapy are-

- 1. Formulation of the diet to meet the needs of the patient
- 2. Modification of the existing diets to ameliorate(rectify) the disease condition
- 3. Correction of nutritional deficiencies
- 4. Prevention of short-term and long-term complications in case of chronic diseases
- 5. Education and counselling of the patient (Any other, Any four)

22. “An analytical capability is prerequisite of a fashion merchandiser”. Justify this statement with two reasons.

Ans: Two reasons why analytical capability is required for a fashion merchandiser-

- 1. Fashion merchandisers and marketers must keep abreast of the economy as a whole, the economy of their particular companies
- 2. They must be able to assume how certain styles will fit into a consumer's budget.
- 3. They must ensure that they make a profit for their employers (Any other, Any two)

23. What could be the four factors that lead to food deterioration or spoilage?

Ans: Four factors that lead to food deterioration or spoilage are-

- 1. Infestation by insects
- 2. Inappropriate temperatures used for processing and/or storage
- 3. Excessive exposure to light and other radiations
- 4. Contamination by microorganisms
- 5. Physical and chemical changes after harvesting/slaughtering (Any other, Any four)

24. Viren wants to work with vulnerable group of society. He is doing his graduation from renowned state university. Advise him with two courses he can do along with his graduation.

Ans: Two courses that can be done along with graduation-

1. Certificate Programme in NGO Management
2. Diploma in Youth Development Work (Any other, Any two)

OR

Aarav wants to work in the daycare center. What four skills must he possess?

Ans: Four skills he must possess-

- 1. An interest in children and their development.
- 2. Knowledge about the needs and capabilities of young children.
- 3. Capacity and motivation for interacting with children.
- 4. Skills for creative and interesting activities with children in all areas of development.
- 5. Enthusiasm for activities like storytelling, exploration, nature, and social interaction.
- 6. willingness and interest in answering children's queries.
- 7. capacity for understanding individual differences. (Any other, Any four)

25. Mention two key roles of each CAC and WTO in protecting the health of consumers.

Ans: Two key roles of CAC in protecting the health of the consumers-

- 1. Establishing international standards to protect the health of consumers
- 2. Facilitate fair practices in food and agricultural trade (Any other, Any two)

Two key roles of the WTO in protecting the health of consumers-

- 1. To help trade flow smoothly, freely, fairly, and predictably
- 2. By administering trade agreements
- 3. Settling trade disputes
- 4. Assisting countries in trade policy issues (Any other, Any two)

26. Mrs. Sharma went to buy wedding clothes for her daughter from the market. Compare and contrast about three types of different stores she must visit.

Ans: Compare and contrast three types of stores –

- **Small Single-unit Store:** It is a neighbourhood store. These are owner and family-operated single stores.

- **Department Stores:** It consists of separate sections, known as departments, such as clothing, sporting goods, automotive supplies, health and beauty products, and electronic equipment. Some department stores may also sell food products.
- **Chain stores:** They are retail outlets that share a brand and central management and usually have Standardized business methods and practices.

27. What do you understand by the term ‘Development Communication’? Write any four essential features of it.

Ans: Development Communication- It is the ‘art and science of human communication’ used for facilitating the development of a disadvantaged society in a planned manner to ensure equity and achievement of individual potential.

Four essential features of Development Communication-

- 1. It is oriented to socio-economic development and the happiness of the people and community at large.
- 2. It aims to give information and educating the community.
- 3. It combines suitable mass media and interpersonal communication channels for greater impact.
- 4. It is based on the audience characteristics and their environment.

OR

Explain the term Campaign with the help of an example. How is it effective tool of communication? Support your answer with two reasons.

Ans: Campaign- It is a combination of the usage of different communication methods and materials, such as meetings, tours, newspaper articles, leaflets, and exhibitions about a theme for a predefined period. (Any other definition)

Example-

- 1. Swachh Bharat Mission
- 2. Red Ribbon Express (RRE) (Any other, Any one)

Campaign is an effective tool of communication (Two reasons)-

- 1. Ensures attention and interest.
- 2. It lasts in the memory of the people and stimulates action.
- 3. It creates a conducive environment for the adoption of practices (Any other, Any two)

28. a. What do you mean by functional food? Give an example.

b. Roma wants to develop new recipe for pickles. What four skills must she possess?

Ans: a. Functional food- These are foods that can have a beneficial effect on human health. (Any other definition)

An example-

- 1. Probiotics
- 2. Lycopene (Any other, Any one example)

b. Four skills required for recipe development-

- 1. Expertise in cooking skills and energy use
- 2. Uses of ingredients, measuring, and weighing them regularly
- 3. Designing, analyzing, and adapting a basic recipe
- 4. Handling tools and equipment accurately
- 5. Innovations in product design and preparation according to consumer perceptions
- 6. Use of Information Technology for contemporary production (Any other, Any four)

29. a. Enlist any four duties of the staff who are working in the restaurant.

b. Give any two skills they must possess while dealing with the customers.

Ans: a. Four duties of the staff who serve food to the customers in the restaurant-

- 1. Provides food and beverages to the customers
- 2. Clears the table
- 3. Maintains the cleanliness of the restaurant
- 4. Taking bill payments of food and beverages from the customer (Any other, Any four)

b. Two skills they must possess-

- 1. Thorough knowledge of the ways of serving the food
- 2. High standards of hygiene
- 3. Basic etiquette and good manners (Any other, Any two)

OR

Enumerate any three roles of housekeeping department of the hotel.

Ans: Three roles of Housekeeping-

- 1. Cleaning of public areas and guestrooms
- 2. Supply, upkeep of laundry, and exchange of various linen
- 3. Internal flower arrangement and maintenance of the external landscape or garden.
- 4. Coordination and communication with other departments such as front office, restaurants, engineering, accounts, etc., through the control desk.
- 5. Pest control (Any other, Any three for each)

SECTION D (LONG ANSWER QUESTIONS)

30. Amrita is a pure vegetarian. She purchased frozen cheese balls from the grocery store. Later on, she found colouring ingredient in it. Neither the advertisement nor the packaging of the product has shown that it contained any permitted food colour. She asked shopkeeper to return, but he refused.

a. Give two rights which were not fulfilled /violated in the above situation.

b. Explain to her any four responsibilities she must follow before buying any commodity.

Ans: a. Two rights which were not fulfilled /violated in the above situation-

- Right to be informed: To demand information regarding products.

- Right to be Heard- To receive due consideration in an appropriate forum (Any other, Any two)

b. Four responsibilities she must have followed -

- 1. Regularly updating their knowledge of various laws and legislative procedures.
- 2. Should do a market survey to find out the different brands, features, etc. of items available in different shops/ markets, and should compare the prices.
- 3. They should feel free to choose from the variety available as per their needs and requirements.
- 4. Read all the information given on the label/ brochure.
- 5. Buy products with standardization marks.
- 6. Keep receipts and other relevant documents of purchase. (Any other, Any four)

31. Elaborate any two ways each of creating balance and proportion in the dress.

Ans: Two ways of creating balance-

- 1. Symmetrical /Formal balance- When the design has equal elements on both sides.
- 2. Asymmetrical/ Horizontal /Informal balance- When details of a garment on one side differ from those on the other side.
- 3. Radial Balance- When elements of design radiate from a central focal point in a dress.

Two ways of creating proportion-

- 1. Proportion of scale- It is based on the proportion of Golden Mean 3:5:8,5:8:13.
- 2. Proportion of colour-Using colour in unequal amounts
- 3. Proportion in shape and form- Size and position of prints/motifs should be in proportion with the size of the wearer
- 4. Proportion of texture- Textures should support the design of the garment and size of the person (Any two ways for each)

OR

Demonstrate any four colour harmony of contrasting colour scheme.

Ans: Four colour harmony of a contrasting colour scheme-

1. Complementary harmony	Uses two hues that lie directly opposite to one another on the Colour Wheel.
2. Double complementary	Has two pairs of complements, usually neighbours on the Colour Wheel.
3. Split complementary	Has three color combinations- a hue, its complement (directly across on the Colour Wheel), and its neighbor. It may also use a hue and two neighbors of its complement.

4. Analogous complementary	A combination of analogous and complementary schemes, a complement selected for dominance in a group of neighbouring colours.
5. Triadic Harmony	A combination of three hues that lie equidistant from one another on the Colour Wheel.

32. Your friend Rohan is medical nutrition therapist in a city hospital.

a. Indicate any four methods he will use to obtain the information on the patient's nutritional status and needs.

b. Which is the best mode of feeding he will suggest for your grandfather, who has undergone intestinal surgery, and why?

c. What type of diet will he recommend for your grandfather once he recovers, and why?

Ans: a. Four methods he uses to obtain the information on the patient's nutritional status and needs-

- 1. Anthropometric measurements (Height, weight, head, and chest circumference)
- 2. Biochemical assessment (Relating the information of laboratory and physical measurements with the above information)
- 3. Clinical Assessment (Obtaining detailed information on health, diet, personal, and medication histories)
- 4. Disease Identification (Using the above information to identify potential nutritional deficiencies and risk of future deficiencies) (Any other, Any four)

b. Best mode of feeding he will suggest for your grandfather, who has undergone mouth surgery- Intravenous Feeding

Reason- A special solution is given to support body functions when the gastrointestinal tract is not functioning properly.

c. Type of diet recommended for grandfather once he recovers –Mechanical Diet

Reason- It includes soft, mashed, and pureed foods that are preferred, which are easy to chew and digest.

33. In order for the child to grow optimally in all areas, it is important that the child's needs for food, shelter, health care, love, nurturance and stimulation be met in a holistic manner. SOS children's village and ICDS are example of some of the initiatives operating in the country to meet the needs of vulnerable children.

a. When was first SOS village established?

b. What is the main aim of SOS village?

c. How can you distinguish it with ICDS? Give two points.

Ans: a. First SOS children's village was established in 1964

b. Main aim of SOS Children's Village- Provides family-based long-term care to children who can no longer grow up with their biological families. (Any other, Any one)

c. Two ways to distinguish between ICDS and SOS-

ICDS	SOS
This scheme is for children (birth to 6 years), adolescent girls, pregnant and lactating women.	This initiative is only for orphaned and abandoned children.
It was started by the Government of India.	It is an independent, non-government social organisation.
It does not follow a family approach.	It follows a family approach.

Any other, Any two

34. a. Outline three each short-term and long-term strategies implemented to solve nutritional problems in India.

b. Describe any two nutrition programmes operating in our country.

Ans: a. Three short-term and long-term strategies implemented to solve nutritional problems in India-

Short-term strategies-

- 1. Integrated Child Development Services (ICDS) to cover all vulnerable groups
- 2. Fortification of essential foods (salt fortified with iodine)
- 3. Production and popularisation of low-cost nutritious foods from indigenous and locally available raw materials by involving women in this activity
- 4. Control of micronutrient deficiencies (iron, vitamin A, folic acid, and iodine) among vulnerable groups

Long-term strategies-

- 1. Ensuring food security, i.e., improving the availability of food
- 2. Improving dietary patterns by ensuring the availability of nutritionally rich foods
- 3. reducing poverty for rural and urban poor through employment generation schemes and public distribution system, implementing land reforms, etc. (Any other, Any three for each)

b. Two Nutrition programmes operating in our country-

- 1. ICDS: It is an outreach programme for early childhood care and development
- 2. Nutrient Deficiency Control programmes: National Prophylaxis programme for prevention of blindness due to vitamin A deficiency, National Anemia control programme, National Iodine Deficiency Disorder control programme,
- 3. Food Supplementation programmes like the Mid-day meal programme,
- 4. Food security programmes: Public Distribution System, Antodaya Anna Yojana, Annapurna Scheme, National Food for Work Programme
- 5. Self-employment and wage employment schemes (Any other, Any two)

OR

a. Compare three each benefit and drawbacks of Food or Diet based strategies used to combat public nutrition problems in India.

b. What are the two functions of Iodine in human body? Tell two ill- effects if pregnant woman is not taking recommended amount of iodine in her diet.

Ans: a. Three benefits of Food or Diet-Based strategies used to combat public nutrition problems-

- 1. Highly cost-effective
- 2. Wide coverage
- 3. Sustainable (Any other, Any three)

Three drawbacks of Food or diet-based strategies used to combat public nutrition problems-

- 1. Requires research
- 2. Participation of the food industry
- 3. Requires changes in eating behaviour
- 4. Requires change in agricultural policies (Any other, Any three)

b. Two functions of Iodine –

- 1. Required for normal mental growth
- 2. Essential for physical growth and development (Any other, Any two)

Two ill effects of iodine deficiency during pregnancy-

- 1. Results in mental retardation of the foetus
- 2. Causes congenital abnormalities of the foetus (Any other, Any two)

35. Mohan has recently opened Hi- tech laundry in the city. He got a contract signed with the Government hospital.

a. What two important points he must consider while doing hospital laundry?

b. Write eight steps of the process of laundry function in hospitals.

Ans: a. Two important points to be considered while doing hospital laundry-

- 1. Emphasize hygiene and cleanliness
- 2. Ensures disinfection of clothes (Any other, Any two)
- b. Process of laundry function in hospitals -
 - 1. Collection from Emergency, main OT, OPD, various specialized centres, and wards.
 - 2. Transportation from the linen bank or directly from the hospital to the laundry plant
 - 3. Unloading dirty linen and sorting
 - 4. Washing is done in large washing machines which have a capacity of 100 kg per load.
 - 5. Hydro extraction –Hydro extractors work in centrifugal motion, which removes moisture
 - 6. Drying, pressing, ironing, folding, and stacking
 - 7. Mending and segregation of condemned articles
 - 8. Packing and Distribution (Any Other, Any Eight)