--Question Starting--  
71. Match the following food pigments and additives with their primary function or characteristic:  
Food Pigment/Additive Function/Characteristic  
I. Beta-carotene A. Primarily used to prevent rancidity in fats  
II. Ascorbic acid B. Enhances red color in meats and is an antioxidant  
III. Sodium nitrite C. Acts as a natural preservative and color enhancer  
IV. Citric acid D. Enhances flavor and preserves freshness  
Choose the correct answer from the options given below:  
(1) I-C, II-D, III-B, IV-A  
(2) I-D, II-C, III-A, IV-B  
(3) I-A, II-B, III-C, IV-D  
(4) I-B, II-A, III-D, IV-C  
Answer Key: 4  
Solution:  
• Beta-carotene: Known for its ability to be converted into Vitamin A in the body, it enhances the appearance and nutritional content of foods.  
• Ascorbic acid: Commonly known as Vitamin C, it is used as a preservative and to maintain color in foods.  
• Sodium nitrite: Used in curing meats, it helps to preserve color and prevent the growth of bacteria.  
• Citric acid: Often added to packaged foods and beverages to enhance tart flavor and preserve freshness.  
Hence, Option (4) is the right answer.  
  
--Question Starting--  
72. Match the following family welfare programs with their primary objectives or challenges:  
Program/Objective Objective/Challenge  
I. Integrated Child Development Services (ICDS) A. Addressing gender inequality and education  
II. Janani Suraksha Yojana (JSY) B. Improving maternal health and promoting institutional deliveries  
III. National Rural Health Mission (NRHM) C. Strengthening rural healthcare infrastructure  
IV. Beti Bachao Beti Padhao D. Enhancing child nutrition and health monitoring  
Choose the correct answer from the options given below:  
(1) I-D, II-B, III-C, IV-A  
(2) I-C, II-D, III-A, IV-B  
(3) I-A, II-C, III-B, IV-D  
(4) I-B, II-A, III-D, IV-C  
Answer Key: 3  
Solution:  
• Integrated Child Development Services (ICDS) aims to improve early childhood care and development.  
• Janani Suraksha Yojana (JSY) focuses on reducing maternal and neonatal mortality by promoting institutional childbirth.  
• National Rural Health Mission (NRHM) is designed to provide effective healthcare to rural populations.  
• Beti Bachao Beti Padhao seeks to address the declining child sex ratio in India and related issues of empowerment.  
Hence, Option (3) is the right answer.  
  
--Question Starting--  
73. Match the following principles and stages related to child/human development with their associated concepts:  
Principle/Stage Concept  
I. Neonatal Period A. Importance of genetic and environmental interactions  
II. Prenatal Development B. Care needed for emotional and cognitive growth  
III. Growth Principles C. Critical for initial physical and cognitive development  
IV. Genetics and Environment D. Monitoring and care during pregnancy  
Choose the correct answer from the options given below:  
(1) I-C, II-D, III-A, IV-B  
(2) I-D, II-C, III-A, IV-B  
(3) I-B, II-C, III-A, IV-D  
(4) I-A, II-B, III-C, IV-D  
Answer Key: 2  
Solution:  
• Neonatal Period: This initial stage is critical for the child's physical and cognitive development immediately after birth.  
• Prenatal Development: Care during pregnancy is crucial for the healthy development of the fetus.  
• Growth Principles: They emphasize the role of both genetics and environment in the development of a child.  
• Genetics and Environment: This concept focuses on how these factors interact to influence development throughout life.  
Hence, Option (2) is the right answer.  
  
--Question Starting--  
74. Match the following aspects of public health nutrition with their relevant focus areas:  
Aspect Focus Area  
I. Community Nutrition Programs A. Policy development for food security  
II. Dietary Guidelines B. Nutritional needs during emergencies  
III. Food Security C. Recommendations for public dietary standards  
IV. Emergency Nutrition D. Outreach and education at the community level  
Choose the correct answer from the options given below:  
(1) I-D, II-C, III-A, IV-B  
(2) I-C, II-D, III-B, IV-A  
(3) I-A, II-B, III-C, IV-D  
(4) I-B, II-A, III-D, IV-C  
Answer Key: 1  
Solution:  
• Community Nutrition Programs focus on improving nutrition and health at the community level through educational and outreach programs.  
• Dietary Guidelines provide a framework for nutritional advice and eating habits promoted by health professionals.  
• Food Security involves creating policies that ensure the availability and accessibility of food to all segments of the population.  
• Emergency Nutrition addresses the nutritional needs and interventions required during crises and disasters.  
Hence, Option (1) is the right answer.  
  
--Question Starting--  
75. Match the following aspects of family dynamics and relationships with their implications or characteristics:  
Aspect Implication/Characteristic  
I. Marriage Dynamics A. Impact on emotional and social development of children  
II. Family Relationships B. Legal and social frameworks influencing family units  
III. Child Rearing C. Interactions within the family that affect individual behaviors  
IV. Legal Frameworks D. Practices and strategies involved in raising children  
Choose the correct answer from the options given below:  
(1) I-C, II-D, III-A, IV-B  
(2) I-D, II-C, III-B, IV-A  
(3) I-A, II-B, III-C, IV-D  
(4) I-B, II-A, III-D, IV-C  
Answer Key: 3  
Solution:  
• Marriage Dynamics: These are the interactions within a marriage that can significantly impact the overall family environment.  
• Family Relationships: They form the core of how individuals relate within a family, influencing emotional and social development.  
• Child Rearing: This involves the methods and principles used in raising children, affecting their future behavior and values.  
• Legal Frameworks: These provide the structures and laws that govern family relationships and responsibilities.  
Hence, Option (3) is the right answer.