Question Booklet Code :. .

Register
Number

1. An example of natural antimicrobial agent
    (A) Titanium dioxide   (B) Chitosan
    (C) Silver chloride   (D) Zinc oxide

2. In knitting, the term used to indicate the lengthwise or vertical columns of loops is
    (A) Courses   (B) Wales
    (C) Gauge   (D) Felt

3. Assertion (A)   :   The values that are higher than the middle value of the value
                        scale is called shades

    Reason (R)   :   A pink colour baby frock with maroon peker pan collar shows
                        tints and shades of red
    (A) (A) is true (R) is false
    (B) Both (A) and (R) are true but (R) is the correct explanation of (A)
    (C) (A) is false (R) is true
    (D) Both (A) and (R) are true but (R) is not the correct explanation of (A)

4. Where hot wax is applied on the fabric in the form of a design
    (A) Block printing   (B) Direct roller
    (C) Screen printing   (D) Batik

5. Match the natural dyes with suitable shades which they can produce :

         Dyes   Shade
    (a) Walnut Rind   1. Pinkish Red
    (b) Majeeth   2. Bright orange
    (c) Tessoo   3. Reddish Brown
    (d) Cutch   4. Bright Reddish Brown

             (a)   (b)   (c)   (d)
    (A)   1   3   2   4
    (B)   4   1   2   3
    (C)   4   2   1   3
    (D)   2   1   4   3

6. For which type of stain the following are oxalic acid, bleach, lime juice, salts of
    lemon, sour milk, oxalic acid
    (A) Nail polish   (B) Mild dew
    (C) Medicine   (D) Iron rust

7. Arrange the following in chronological order
   1. Taking up and letting off
   2. Beating up
   3. Picking
   4. Shedding
   (A) 1, 2, 3, 4
   (B) 2, 3, 4, 1
   (C) ✓ 4, 3, 2, 1
   (D) 1, 2, 4, 3

8. Assertion (A) : The selvage prevents the fabric from raveling
   Reason (R) : The movement of bobbin carrying the weft yarns results in the formation of the selvage.
   (A) (A) is true but (R) is false
   (B) (A) and (R) are true but (R) is the correct explanation of (A).
   (C) (A) is false but (R) is true
   (D) ✓ (A) and (R) are true but (R) is not the correct explanation of (A)

9. Which of the following facts are true regarding the affinity of dyes
   1. Cotton has affinity for direct and reacting dyes
   2. Liner has poor affinity for dyes
   3. Wool has poor affinity for dyes
   4. Wool has very high affinity for dyes
   (A) 1 is true 2, 3, 4 are false
   ✓ 1, 2, 4 are true, 3 is false
   (C) All are true statement
   (D) All are false statement

10. Pick the true and false statements.
    1. Vinyl resins finished water proof fabric will oxidize and crack readily like rubber
    2. Silicone compounds are not water repellent.
    3. Cellulose fibers are susceptible to mildew.
    4. Glass fibers can be used for reinforcement.
    ✓ 1, 2 are false, 3 and 4 are true
    (B) 3, 4 are false and 1, 2 are true
    (C) 2, 4 are true 3, 4 are false
    (D) 1, 2, 3, 4 are false

11. Match the names of selvages with their describiation :
    (a) Fused Selvage   1. Flatter edges, constructed on plain and Basket weaves
    (b) Tape Selvage   2. Made by weaving a narrow width fabric twice
    (c) Spilt Selvage   3. A technique used in some shuttle less looms
    (d) Tucked Selvage   4. Made with thermoplasic fibers.

	(a)	(b)	(c)	(d)
(A)	1	2	4	3
(B) ✓	4	1	2	3
(C)	3	2	1	4
(D)	2	1	4	3

12. Whooping Cough is otherwise called as

    (A) Tetanus   (B) Diphtheria

    (C) ✓ Pertussis   (D) Scabies

13. Erikson called the period of adolescence as the stage of

    (A) Industry Vs Inferiority   (B) Initiative Vs Guilt

    (C) ✓ Identity Vs Role confusion (D) Generativity Vs stagnation

14. The term adolescence comes from a/an —————— verb meaning 'to grow into maturity'

    (A) English   (B) Spanish

    (C) Greek   (D) ✓ Latin

15. Developmental tasks is the term PA forth by

    (A) ✓ Havighorst   (B) Horlock

    (C) Plaget   (D) Freud

16. Dismemberment in the family resulting from the death of a member is called

    (A) Accersion   (B) ✓ Bereavement

    (C) Demoralization   (D) Disruption

17. Any enviromental agent that causes damage during the prenatal period is called

    (A) Illegal drugs   (B) Radiation

    (C) Mutation   (D) ✓ Teratogens

18. The Psychological conflict of toddlerhood is proposed by Erikson is

    (A) Initiative Vs Guilt   (B) Trust Vs Mistrust

    (C) Identity Vs Role-confusion (D) ✓ Autonomy Vs shame and doubt

19. Caring for the children, the sick, old and infirm is a ———————— function of the family

(A) Biological

(B) Socializing

(C) Recreational

(D) ✓ Protective

20. Resistance to adult authority reaching its peak between three to four years of age is called

(A) ✓ Negativism

(B) Aggressiveness

(C) Selfishness

(D) Ascendant Behaviour

21. What does 'Caveat Venditor' mean?

(A) Let the buyer beware

(B) ✓ Let the seller beware

(C) Let the auctioner beware

(D) Let the king beware

22. Which among the following are major causes for passive consumer movement in India?

1. Poverty

2. Self employment

3. Illiteracy

4. Ignorance

(A) ✓ 1, 3 and 4 are true

(B) All are false statements

(C) All statements are true

(D) 1, 2 and 4 are true

23. Identify the expanded form of AIDA in its proper sequence.

1. Interest

2. Desire

3. Attention

4. Action

(A) 1-2-3-4

(B) 4-3-2-1

(C) 4-1-2-3

(D) ✓ 3-1-2-4

24. The headquarters of the grievance cell functioning under BIS is located in

   (A) Mumbai   (B) Chennai

   (C) Surat   (D) ✓ New Delhi

25. Which of the following is not the right of consumer?

   (A) Right to choose   (B) Right to be heard

   (C) ✓ Right to be not informed (D) Right to Redress

26. In which year did John F. Kennedy declare the 'Rights to Consumers'?

   (A) ✓ 1962   (B) 1960

   (C) 1958   (D) 1961

27. Where was the first product testing and rating laboratory set up in India?

   (A) New Delhi   (B) Cochin

   (C) ✓ Ahmedabad   (D) Chennai

28. If the goods being sold in the market are not measured correctly it is called consumer

   (A) Awareness   (B) ✓ Exploitation

   (C) Protection   (D) Rights

29. Which among the following were served with notices charging them with violation of environmental laws, specifically the Forest Conservation Act of India?

   (A) Kingfisher and Pepsi   (B) ✓ Pepsi and Coco cola

   (C) Coco cola and Kingfisher   (D) Colgate and Kingfisher

30. ISO 22000 : 2005 is mainly concerned with

   (A) Quality management systems

   (B) Environmental management systems

   (C) Quantity management systems

   (D) ✓ Food safety

31. Match the food adulterant and food stuffs

   (a) Asafoetida   1. Infested with ergot

   (b) Cinnamon   2. Starch

   (c) Coffee   3. Cassia bark

   (d) Bajra   4. Soap stone

	(a)	(b)	(c)	(d)
(A) ✓	4	3	2	1
(B)	3	2	1	4
(C)	1	2	3	4
(D)	2	3	1	4

32. Expand CCFS

   (A) Central Committee for Food Safety

   (B) Central Committee for Food Security

   (C) ✓ Central Committee for Food Standards

   (D) Central Committee for Food Supply

33. pH for the microbial safety of food is

   (A) 2   (B) 5

   (C) ✓ 7   (D) 9

34. Which micro organism is called as psychophilic (cold loving)?

   (A) Salmonella   (B) ✓ Pseudomonas

   (C) Clostridium Welchi   (D) Clostridium Botulinum

35. Hazard analysis involves
1. Identification of ingredients and products which might have a pronounced effect on food safety.
2. Preservation of foods which support rapid growth of micro organisms
3. Reducing the microorganisms using hot water, steam, halogen derivatives or ammonia
4. Foods consumed by special populations eg: vulnerable groups

(A) 1 and 2   (B) 1 and 3
(C) ✓ 1 and 4   (D) 1 alone

36. PEM stands for
(A) Prevalence Energy Mal Nutrition
(B) ✓ Protein Energy Mal Nutrition
(C) Protein Energy Mal Absorption
(D) Prevalence Energy Mal Absorption

37. Which of the following is incorrectly paired?
(A) Bacto fugation   – Centri fugal procedure to remove bacteria from milk
(B) ✓ Vat Pasteurisation   – Continuous process of flash method
(C) Vacreation   – Combination of steam injection and evacuation
(D) Market-milk Pasteurisation – Kill all pathogens and improve keeping quality

38. Methylene blue reduction test is identify the spoilage of Micro organism in
(A) ✓ Milk   (B) Water
(C) Meat   (D) Bread

39. Which of the following requires satellite transmission or sophisticated telephone lines?
(A) Computer conferencing   (B) ✓ Interactive Television
(C) Mobile applications   (D) Tailoring graphics

40. Amino acid imbalance test is carried out to determine the efficiency of
(A) ✓ Protein   (B) Rhodopsin
(C) Iron binding protein   (D) Transferrin

41. A : Nutritional screening is the beginning of Nutrition Assessment Process.
    R : It is done to quickly identify individuals who are malnourished or at risk.
    (A) A is true R is false
    (B) Both A and R are true and R is the correct explanation for A
    (C) A is false, R is true
    (D) Both A and R are true and R is not the correct explanation for A

42. Match the nutrients and its deficiencies :
    (a) Protein   1. Ascites
    (b) Iron   2. Conjunctival Xerosis
    (c) Vit. A   3. Spooning of nails
    (d) Fat   4. Brittle hair

         (a)   (b)   (c)   (d)
    (A)   4   3   2   1
    (B)   1   2   4   3
    (C)   2   3   1   4
    (D)   3   2   1   4

43. Which is not natural preservative?
    (A) Salt   (B) Sugar
    (C) Ascorbic acid   (D) Vinegar

44. Natural casings of sausages are made from
    (A) Animal intestine   (B) Collagen
    (C) Cellulose   (D) Plastic films

45. Silent nutrients are
    (A) Water and protein   (B) Dietary fibre and fat
    (C) Water and dietary fibre   (D) Vitamins and minerals

46. Good source of minerals and vitamins are
    (A) cereals and pulses   (B) vegetables and fruits
    (C) fruits and fats   (D) proteins and fats

47. Identify the volatile compound that exhibits strong flavour in garlic
    (A) cysterine sulphoxide   (B) allicin
    (C) limonene   (D) piperine

48. Assertion (A) : While heating milk, a film of coagulated albumin and other whey proteins collect on the sides and bottom of the pan respectively.

Reason (R) : Homogenised milk coagulates more readily than non-homogenised milk

(A) (A) is true (R) is false

(B) Both (A) and (R) are true and (R) is the correct explanation of (A)

(C) (A) is false (R) is true

(D) ✓ Both (A) and (R) are true but (R) is not the correct explanation of (A)

49. Read the following statements on gelatin :

Assertion (A) : Gelatin is a partially degraded collagen

Reason (R) : It is a protein of low biological value

(A) (A) is true (R) is false

(B) Both (A) and (R) are true and (R) is the correct explanation of (A)

(C) (A) is false (R) is true

(D) ✓ Both (A) and (R) are true but (R) is not the correct explanation of (A)

50. Match the following vegetables/fruits with their respective pigments :

	Vegetables		Pigments
(a)	Tomatoes	1.	Anthocyanine
(b)	Peaches	2.	Chlorophyll
(c)	Grapes	3.	Carotenoid
(d)	Beans	4.	Bycopenes

	(a)	(b)	(c)	(d)
(A)	1	3	4	2
(B) ✓	4	3	1	2
(C)	2	3	4	1
(D)	4	3	2	1

51. In endosperm of a cereal grain is surrounded by one or more layers of cells and are known as

(A) Bran or Pericarp

(B) ✓ Aleurone layer

(C) Embryo

(D) Germ

52. Assertion (A) : Research Design stands for advance planning of the methods to be adopted for collecting the data and the techniques to be used in their analysis, keeping in view the objective of the research and the availability of staff time and money.

   Reason (R) : It is needed for the smooth sailing of the various research operations make the research cost effective.

   (A) (A) is true (R) is false
   (B) Both (A) and (R) are true and (R) is the correct explanation for (A)
   (C) (A) is false (R) is true
   (D) Both (A) and (R) are true but (R) is not the correct explanation for (A)

53. The principal instrument in research. Where in its main function is to suggest new experiments and observations is
   (A) hypothesis
   (B) interpretation
   (C) analysis
   (D) sampling

54. The process of assigning numerals or other symbols to answers so that responses can be put into a limited number of categories or classes is referred as
   (A) Editing
   (B) Coding
   (C) Classification
   (D) Tabulation

55. Who defined research as a systematised effort to gain new knowledge
   (A) Redman and Mory
   (B) Slesingir and Stephenson
   (C) Clifford and Woody
   (D) Kothari and Robinson

56. Research refers to
   1. Search for knowledge
   2. Systematic enquiry of seeking facts
   3. An endeavour to discover answers to problems
   4. Seeking solutions for any undefining problems
   (A) 1 and 2 are true, 3 and 4 are false
   (B) 1, 2 and 3 are true, 4 is false
   (C) 1, 2, 3 and 4 statements are true
   (D) 2, 3, 4 are true and 1 is false

57. The two basic approaches to research are
   (A) Experimental and Simulation approach
   (B) Quantitative and Qualitative approach
   (C) Inferential and Experimental approach
   (D) Quantitative and Experimental approach

58. The term which describe the sampling units such as geographical area, list of city blocks or counties.

(A) Universe

(B) ✓ Frame

(C) Census .

(D) Random

59. Delibrate sampling is also known as

(A) ✓ non probability sampling or purposive sampling

(B) Systematic sampling

(C) Simple random sampling

(D) Stratified sampling

60. Match the following sampling methods with its characteristics

(a) Sample random sampling   1. The population is divide into several homogenous sub population.

(b) Systematic sampling   2. Equal probability of being picked up

(c) Stratified sampling   3. Applied to big inquiries in a larger area

(d) Multistage sampling   4. Selecting the ith item on a list

	(a)	(b)	(c)	(d)
(A)	1	3	4	2
(B)	2	3	1	4
(C) ✓	2	4	1	3
(D)	2	1	3	4

61. In sampling, the number of students or families from whom the information is obtained is called

(A) Sample

(B) ✓ Sample size

(C) Population

(D) Population size

62. The data that are already available which may be either published or unpublished is referred as

(A) Primary

(B) General data

(C) Collected data

(D) ✓ Secondary

63. Which type of graph would be most suitable for representing the money alloted for each item of expenditure in a budget?
    (A) Bar chart   (B) Pie chart ✓
    (C) Line chart   (D) Histogram

64. Arrange in correct sequence the steps in hypothesis testing – Entrepreneurship management accomplished through

    1. Controlling

    2. Organising

    3. Leading

    4. Planning

    (A) 3, 1, 2, 4   (B) 3, 2, 1, 4
    (C) 4, 2, 3, 1 ✓   (D) 4, 3, 2, 1

65. The characteristics of female entrepreneur differ in terms of
    (A) Motivation   (B) Business skill
    (C) Occupational Background   (D) All ✓

66. The economic theories say that the lower the price, the higher the
    (A) Demand ✓   (B) Quality
    (C) Supply   (D) Cost

67. SIPCOT provide
    (A) Market assistance ✓   (B) Skill
    (C) Escot services to cottage industries (D) Technical assistance

68. The Industrial Development Bank of India (IDBI) was established on —————
    (A) July 1st 1964 ✓   (B) July 10th 1964
    (C) June 1st 1964   (D) June 21st 1974

69. Which is not the objective of physical examination of recruitment process?
    (A) the applicants capabilities to meet the job requirements
    (B) protect the organisation against the unwarranted claims
    (C) prevent communicable diseases entering the organisation
    (D) helps to protect the employees mental stress in their jobs ✓

70. The entrepreneur who never allow any change in their production
    (A) Innovative Entrepreneur   (B) Initiating Entrepreneur
    (C) Fabian Entrepreneur ✓   (D) Drone Entrepreneur

71. An innovating entrepreneur is one
    (A) who cleverly puts attractive possibilities
    (B) ✓ one who introduce new technology, new methods of production, discover new goods and reorganise enterprise
    (C) who is cautious
    (D) Refuses to adopt possibilities

72. Essential qualities of entrepreneurial person
    (A) ✓ Need to achieve   (B) Not a motivate
    (C) Not a planner   (D) Not a decision maker

73. Assertion (A) : An Entrepreneur is a calculated risk-taker. He enjoys the excitment of a challenge but he does not gamble

    Reason (R) : An entrepreneur avoids low-risk situation because there is a lack of challenge and he avoids high-risk situation because he wants to succeed
    (A) (A) is incorrect and (R) is correct
    (B) Both (A) and (R) are incorrect
    (C) ✓ Both (A) and (R) are correct
    (D) (A) is correct and (R) is incorrect

74. Assertion (A) : The first step in starting a small business is to find out business idea

    Reason (R)   : The first step in starting a small business is to arrange loan
    (A) ✓ (A) is true (R) is false
    (B) Both (A) and (R) are true
    (C) (R) is the correct explanation of (A)
    (D) Both (A) and (R) are true but (R) is not the correct explanation of (A)

75. Sarcoma is a type of cancer which affects the
    (A) Endoderm   (B) Ectoderm
    (C) ✓ Mesoderm   (D) Monocyte

76. Caffiene is absorbed in human milk and can inhibit the

(A) ✓ Let down reflex
(B) Milk production
(C) Secretion of estrogen
(D) Secretion of Progesterone

77. A new investigation ————— estimation, gives an excellent indication of overall control over proceeding period

(A) ✓ Glycosylated hemoglobin
(B) Impaired Glucose tolerance
(C) Random Blood sugar
(D) Fasting blood sugar

78. Glycogen storage diseases is an inborn error of Metabolism that impairs ————— metabolism.

(A) Glycolysis
(B) Glycogenesis
(C) ✓ Gluconeogenesis
(D) Glycogenolysis

79. What is the protein allowance for obese patients on very low calorie diets?

(A) 0.5 – 0.8 g/kg IBW
(B) 0.6 – 1.2 g/Kg IBW
(C) ✓ 0.8 – 1.5 g/Kg IBW
(D) 1.5 – 2g/kg IBW

80. A preschool child's craving for a particular food which lasts for only a few days in termed as

(A) Food Fab
(B) Food Taboos
(C) Food Lover
(D) ✓ Food Jags

81. Name the anti infective agent present in human milk that destroys the cell membrane of the bacteria

(A) Lactoferrin
(B) ✓ Lyso enzymes
(C) Lacto bacillus Bifidus
(D) SIg A

82. Match the hormones and its source during lactation :

(a) Estrogen   1. Ovary
(b) Progesterone   2. Posterior Pituitary
(c) Prolactin   3. Placenta
(d) Oxytocin   4. Anterior Pituitary

	(a)	(b)	(c)	(d)
(A)	1	3	2	4
(B)	3	1	4	2
(C)	4	3	1	2
(D)	2	3	4	1

83. Which of the following is incorrectly paired?

(A) Keratomalacia   – Vita A Deficiency
(B) Costeomalacia   – Adult Rickets
(C) Cardiac odema   – Dry beri beri
(D) Anaemia   – Iron Deficiency

84. Assertion (A) : DAFNE provides the skills necessary to estimate the carbohydrate in each meal and to inject the right dose of insulin.

Reason (R)   : It is a way of managing Type 2 diabetes for adults.

(A) (A) is true (R) is false

(B) Both (A) and (R) are true and (R) is the correct explanation of (A)

(C) (A) is false (R) is true

(D) Both (A) and (R) are true but (R) is not the correct explanation of (A)

85. The rapid passage of food form the stomach into the intestine is referred to as

(A) Dumping syndrome   (B) Irritable colon syndrome

(C) Rectal stasis   (D) Dyspepsia

86. Growth spurt during adolescence lasts for a duration of

(A) 6 to 12 months   (B) 12 to 18 months

(C) 18 to 24 months   (D) 24 to 30 months

87. What is the co-efficients for computing Calorie requirement for an adult female (Moderate worker)?

(A) ✓ 1.0 Cu   (B) 0.8 Cu

(C) 1.2 Cu   (D) 1.4 Cu

88. Which one is an Essential amino acid?

(A) ✓ Leucine   (B) Glycine

(C) Proline   (D) Cysteine

89. 1 Kilo calorie is equal to

(A) ✓ 4.184 KJ   (B) 4184 KJ

(C) 4.184 mJ   (D) 4184 mJ

90. Mucopolysaccharides containing uronic acids are ————— in nature.

(A) Neutral   (B) Basic

(C) ✓ Acidic   (D) Basic and acidic

91. —————is the excretory product of amino acid metabolism.

(A) Creatinine   (B) Uric acid

(C) ✓ Urea   (D) NH_4

92. NEERI stands for

(A) National Environmental Engineering Research Institute

(B) Nation Environmental Engineering Research Institute

(C) ✓ Nation Evaluate Engineering Research Institute

(D) National Evaluate Engineering Research Institute

93. The normal haemoglobulin level for an adolescent girl is

    (A) 10.5 g/dl   (B) 11.0 g/dl

    (C) 11.5 g/dl   (D) ✓ 12.5 g/dl

94. Child with mild ——————— are known to be at increased risk of respiratory infections and diarrhoea.

    (A) Keratomacacia   (B) Bitot's spot

    (C) corneal xerosis   (D) ✓ xerophthalmia

95. Which vitamin deficiency is associated with the symptom, 'casal's necklace'?

    (A) Thiamine   (B) Riboflavin

    (C) ✓ Niacin   (D) Retinol

96. Assertion (A) : Raffinose is a trisaccharide

    Reason (R)   : Raffinose is fructose + Galactose + Glucose

    (A) (A) is true, (R) is false

    (B) ✓ Both (A) and (R) are true and (R) is the correct explanation of (A)

    (C) (A) is false, (R) is true

    (D) Both (A) and (R) are true but (R) is not the correct explanation of (A)

97. Calculate the energy Expenditure using MET values for a women who weighs 50 kg and is cycling leisurely for 0.5 hrs [MET value for cycling is 3.5].

    (A) 98.2 kcal   (B) ✓ 87.5 kcal

    (C) 99.2 kcal   (D) 89.7 kcal

98. An apt dye for colouring silk fabric

    (A) Direct   (B) Vat

    (C) Naphthol   ✓(D) Acid

99. A combination of yellow frock with red purple collar and blue purple sleeve results in

    (A) Double complementary colour scheme

    (B) Balance colour harmony

    ✓(C) Split complementary colour scheme

    (D) Primary colour harmony

100. Mechanical finish that increases the lustre of linen fabrics is

    (A) Shearing   (B) Plisse

    ✓(C) Beetling   (D) Moiering

101. Small woven patterns are created in which of the following type of weave?

    (A) Jacquard   (B) Pile

    (C) Double cloth   ✓(D) Dobby

102. Special calendering finish that produces three-dimensional designs on fabrics

    ✓(A) Embossing   (B) Beetling

    (C) Shearing   (D) Flocking

103. This type of water proof finish is renewable one

    (A) Fluro chemicals   (B) Ammonium compound

    (C) Silicone compounds   ✓(D) Wax emulsions

104. The dyeing done after knotting the fabrics is called

    ✓(A) Tie-dyeing   (B) Batik

    (C) Transfer   (D) Jet

105. Which of the following is not a chemical finish

    1.   Mercerising

    2.   Beetting

    3.   Calendering

    4.   Crease resistant

    (A)   Only 1   **(B)**   Both 2 and 3

    (C)   1, 2 and 3   (D)   1, 2, 3 and 4

106. This finish lasts for most of the life of a product

    (A)   Durable   (B)   Permanent

    (C)   Temporary   (D)   Sustainable

107. Velvet is the fabric of

    (A)   Piles   (B)   Crepes

    (C)   Satin   (D)   Twill

108. An example of fiber stage dyeing

    (A)   Top dyeing   (B)   Yarn dyeing

    (C)   Piece dyeing   (D)   Pigment dyeing

109. This is water soluble dye

    (A)   Vat   (B)   Sulphur

    (C)   Disperse   **(D)**   Direct

110. Give the correct sequence for washing woolen cloths

    1.   Prepare washing water and work up a lather

    2.   Outline garments on a plain paper

    3.   Roll the garment in a towel to remove extra moisture

    4.   Lift extra dirty parts and pat suds over these until dirt is removed

    (A)   3, 1, 4, 2   **(B)**   2, 1, 4, 3

    (C)   3, 2, 1, 4   (D)   4, 2, 1, 3

111. This tool is used to spread the dye through screen.
    (A) Squeege ✓   (B) Block
    (C) Screen   (D) Frame

112. The enzyme involved in enzymatic degumming is
    (A) Papain ✓   (B) Amylase
    (C) Cellulase   (D) Lipase

113. Match the following :

	Items used		Printing
(a)	Squeegee	1.	Blocks
(b)	Vegetable	2.	Screen
(c)	Wax	3.	Tie and Dye
(d)	Thread	4.	Batik

	(a)	(b)	(c)	(d)
(A)	4	3	2	1
(B)	1	4	2	3
(C) ✓	2	1	4	3
(D)	1	2	3	4

114. Which of the following statements describe Tigering Finish (True/False)
    1. Done on fabrics line Velour, Plush and imitation of fur
    2. Roller have long fine wires to penetrate to the ground of the fabric
    3. The fabrics is first washed in water and yarns are trimmied
    4. Brushing in one direction for high lustor.
    (A) ✓ 1, 2 true 3, 4 false   (B) 2, 4 true 1, 3 false
    (C) 3, 4 true 1, 2 false   (D) 1, 3 true 2, 4 false

115. Removing the air from the stomach in babyhood is known as
    (A) Aspiration   (B) ✓ Burping
    (C) Chocking   (D) Hiccups

116. Neurons that are seldom stimulated soon lose their synapses, a process called
    (A) Neurotransmitters   (B) Programmed cell death
    (C) Myelination   (D) ✓ Synaptic pruning

117. In which of the parenting style, an attempt is made to make the punishment 'fit the crime'?

    (A)   Uninvolved

    (B)   Democratic ✓

    (C)   Permissive

    (D)   Authoritarian

118. Suicide of a family member can be categorized among one of the type of family crisis.

    (i)   Dismemberment

    (ii)   Accusation

    (iii)   Demoralization

    (A)   (i) only

    (B)   (ii) only

    (C)   (i) & (ii) only

    (D)   (i) (ii) & (iii) ✓

119. Who exhibits gross motor skills?

    (A)   Ally, who draws a circle

    (B)   David, who rides a tricycle ✓

    (C)   Chintu, who scribbles on the board

    (D)   Pintu, who plays with blocks.

120. Which period involves a dramatic increase in body size and completion of physical structures of a baby?

    (A)   Period of ovum

    (B)   Period of embryo

    (C)   Period of zygote

    (D)   Period of foetus ✓

121. Learning by copying the behaviour of another person is called ————

    (A)   Habituation

    (B)   Operant conditioning

    (C)   Dishabituation

    (D)   Imitation ✓

122. Which among the following is remarked as a 'Silent Salesman'?
   (A) Branding
   (B) ✓ Packaging
   (C) Trade mark
   (D) Patent

123. A name term, symbol or design or a combination of these intended to identify the goods/services of one seller from those of its competitors is called
   (A) ✓ Brand
   (B) Grade
   (C) Trade mark
   (D) Logistics

124. Labels exclusively meant for popularizing the brand name of the product is called
   (A) Grade labels
   (B) Description labels
   (C) Information labels
   (D) ✓ Brand labels

125. Arrange in logical sequence the three factors involved in exchange functions of marketing.
   1. Buying
   2. Assembling
   3. Organizing
   4. Selling

   (A) 1, 2 and 3
   (B) ✓ 1, 2 and 4
   (C) 1, 3 and 4
   (D) 2, 3 and 4

126. A market that operates according to demand and supply conditions is called
   (A) Regulated
   (B) Statutory
   (C) Terminal
   (D) ✓ Free

127. Assertion (A) : COPRA is not only preventive, but also compensatory in nature.

   Reason (R)   : It is civil and focuses on undoing the wrong to the consumer through remedial action, compensation etc.
   (A) (A) is true, (R) is false
   (B) ✓ Both (A) and (R) are true and (R) is the correct explanation of (A)
   (C) (A) is false, (R) is true
   (D) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

128. Packaged commodities (Regulation) order was enacted in India in the year
   (A) 1980
   (B) 1976
   (C) ✓ 1975
   (D) 1974

129. Arranges in descending chronological order enactment of the following Acts

    1.   MRTP

    2.   CPA

    3.   PFA

    4.   Companies Act

    (A) ✓ 2-1-4-3   (B) 1-2-3-4

    (C) 4-3-2-1   (D) 2-1-3-4

130. Assertion (A) : Product certification scheme is not governed by BIS Act, 1986

    Reason (R)   : The presence of the ISI mark on a product indicates conformity to the relevant Indian standard.

    (A) (A) is true, (R) is false

    (B) Both (A) and (R) are true and (R) is the correct explanation of (A)

    (C) ✓ (A) is false, (R) is true

    (D) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

131. Which year AGMARK is amended?

    (A) 1976   (B) ✓ 1986

    (C) 1966   (D) 1956

132. Identify the expanded form of MRP.

    (A) Minimum Retail Price   (B) Maximum Retail Prize

    (C) ✓ Maximum Retail Price   (D) Minimum Retail Prize

133. The Process by which the temperature of foods is lowered to about −20°C within 30 minutes is called as —————— freezing.

    (A) Dehydro   (B) Cryogenic

    (C) Slow   (D) ✓ Quick

134. Botulism is caused by

(A) Clostridium Tetani

(B) Clostridium Perfringes

(C) Clostridium Botulinum ✓

(D) Bacillus cereus

135. Enterotoxin is produced by

(A) Clostridium Botulinum

(B) Clostridium perfringes ✓

(C) Sachromyces Cervisciae

(D) Pseudomonas

136. The Phenomenon by which many cells of mesophilic bacteria die due to sudden chilling of suspension of viable cells grown in that temperature is called as

(A) Lipid solidification

(B) Thawing

(C) Cold shock ✓

(D) Blanching

137. The suitable temperature for storage of Banana is

(A) 15°C

(B) 11°C

(C) 13°C ✓

(D) 10 °C

138. Q fever is caused by

(A) Coxiella Burnetto ✓

(B) Salmonella

(C) Shigella

(D) Trichenella

139. Computer programmes which run without connection to a network or modern are called
   (A) Stand Alone applications ✓   (B) Miracle chip applications
   (C) Mind boggling applications   (D) Work alone applications

140. In Kwashiorkor, all blood profile is low, except
   (A) Plasma/amino acid ratio ✓   (B) Serum albumin
   (C) Urinary urea per g. creatinine   (D) Hydroxyproline/Creatinine ratio

141. An anticoagulant drug used throughout pregnancy, which does not cross the placenta
   (A) Warfarin
   (B) Heparin ✓
   (C) Low molecular weight heparin
   (D) Heparin in 1st and 2nd trimester, Warfarin in 3rd trimester

142. Oxyuriasis falls under the disease condition of
   (A) Bacterial   (B) Viral
   (C) Parasites ✓   (D) Fungal

143. Live trichinae in meat are destroyed at a temperature of
   (A) 55°C   (B) 70°C ✓
   (C) 85°C   (D) 100°C

144. Arrange the stages of nutrition education in the correct sequence
   1. Message is seen by receiver
   2. Behaviour change occurs
   3. Message is accepted, believed, learned
   4. Receiver understands and correctly interprets the message
   5. Improvement in Health occurs
   6. Sender (Health Promoter)
   (A) 6, 2, 1, 4, 3, 5 .   (B) 6, 4, 1, 3, 2, 5
   (C) 6, 5, 4, 3, 2, 1   (D) 6, 1, 4, 3, 2, 5 ✓

145. Which of the following definitions of 'vitamers' is true?
   1. Vitamers are multiple forms of vitamins
   2. They are all isomers and active analyzers
   3. They are membrane stabilizers and e− donors and acceptors
   4. They are hormones and enzymes
   (A) 1, 2 and 3 are true ✓   (B) 2, 3 and 4 are true
   (C) 1, 3 and 4 are true   (D) 1, 2, 3 and 4 are true

146. The first step in beer making process is
   (A) malting ✓
   (B) milling
   (C) mashing
   (D) fermenting

147. During homogenization of the milk process fat globules are reduced to
   (A) 1 μm
   (B) 1.25 μm
   (C) 1.50 μm
   (D) 2 μm ✓

148. Expand DDT
   (A) Dichlorodimethyl trichloroethane
   (B) Dichlorodiethyl trichloromethane
   (C) Dichlorodiphenyl trichloroethane ✓
   (D) Dichlorodiacetyl trichloromethane

149. Fruits and vegetables should not be frozen soon after
   (A) Harvesting ✓
   (B) Cooking
   (C) Serving
   (D) Grading

150. Any meat from animals treated with growth promoters, artificial hormones or organosphores and organ chlorine pesticiole may not be considered as
   (A) Inorganic
   (B) Organic ✓
   (C) Chemical
   (D) None of the above

151. Marbling throughout the body of animal is mainly due to presence of
   (A) Carbohydrates
   (B) Water
   (C) Protein
   (D) Fats ✓

152. Statement 1 : Starch has 2 components : Amylose and Amylopectin

   Statement 2 : Amylopectin in the components responsible for gelling ability of starch due to its branched structure
   (A) Both statements are true
   (B) Both statements are false
   (C) Statement 1 is true while statement 2 is false ✓
   (D) Statement 1 is false while statement 2 is true

153. Which of the following statement is incorrect?
   (A) Cooking improves taste and food quality
   (B) Cooking destroy micro-organism
   (C) Cooking improves digestibility
   (D) Cooking does not increase availability of food ✓

154. The historical report which ushered a new era in agricultural research in GM foods described the introduction of a gene from a bacterium into the genome of a plant. Identify the correct bacterium – plant combination from the options given below :
(A) Streptococcus faecalis – Nicotina plumbaginafolia
(B) Bacillus cereus – Oryza Sativa
(C) Listeria – Tritium Aestivum
(D) Diphyllobothrium latum – Nieotina Plumbagina folia

155. Totipotency is the principle of
(A) Plant tissue culture
(B) Animal tissue culture
(C) Fermentation
(D) Microbial cell culture

156. Read the following statements on gel formation :
Assertion (A) : Corn starch form firmer gels than tapioca starch
Reason (R) : Waxy varieties of starch without amylose form gels
(A) (A) is true (R) is false
(B) Both (A) and (R) are true but (R) is the correct explanation of (A)
(C) (A) is false (R) is true
(D) Both (A) and (R) are true and (R) is not the correct explanation of (A)

157. Assertion (A) : Colour and flavour changes occur during dextrinisation.
Reason (R) : Non-enzymatic browning occurs and a burnt tasted flavour develops.
(A) (A) is true (R) is false
(B) Both (A) and (R) are true and (R) is the correct explanation of (A)
(C) (A) is false (R) is true
(D) Both (A) and (R) are true but (R) is not the correct explanation of (A)

158. Match the following :
(a) Writing research report   1. Last step of research process
(b) Writing referencing style   2. The author-date system
(c) Writing bibliography   3. The Harvard system
(d) Developing an outline   4. The long title system
                    5. Practice of chapterization

	(a)	(b)	(c)	(d)
(A)	1	2	3	4
(B)	2	3	4	5
(C)	1	2	3	5
(D)	1	3	4	5

159. The research that aims to find a solution for an immediate problem faced by a society is called as ————— research.

(A) Fundamental   ✓(B) Applied

(C) Descriptive   (D) Analytical

160. The research antagonistic to ex-post facto research is ————— research.

✓(A) Library   (B) Descriptive

(C) Experimental   (D) Analytical

161. While writing a research report the materials and methods should always we written in

(A) Future tense   ✓(B) Past tense

(C) Present tense   (D) Simple present tense

162. All statistical methods which simultaneously analyse more than two variables on a sample of observations.

(A) Descriptive Analysis   (B) Correlation Analysis

✓(C) Multivariate Analysis   (D) Causal Analysis

163. A common test in research demands much priority on

(A) Reliability   (B) Usability

✓(C) Objectivity   (D) Validity

164. The action of ————— insulin lasts for 20 – 29 hours.

(A) Short acting   (B) Rapid acting

✓(C) Intermediate   (D) Long acting

165. What type of sampling you would suggest for conducting a survey to find out the domestic water consumption among households living in a city
   (A) Convenience sampling
   (B) Judgement sampling
   (C) Simple random sampling
   ✓(D) Multistage sampling

166. The questionnaire in which all questions and answer are specified, with minimum comments from the respondent is
   (A) Unstructured questionnaire
   ✓(B) Structured questionnaire
   (C) Non structured questionnaire
   (D) Sequential questionnaire

167. Assertion (A) : In a diagnostic study the first step is to specify the broad objectives.
   Reason (R) : It will help to ensure that the data collected is relevant

   (A) (A) is true, (R) is false
   (B) (A) is false, (R) is true
   ✓(C) Both (A) and (R) are true but (R) is not true the correct explanation of (A)
   (D) Both (A) and (R) are true but (R) is the correct explanation of (A)

168. Match the following
   (a) Personal interview   1. Encourage the respondent to speak
   (b) Focused interview   2. Focus or individual's life experience
   (c) Clinical interview   3. Is a face to face interview
   (d) Non-direct interview   4. Given experience and its effects

	(a)	(b)	(c)	(d)
✓(A)	3	4	2	1
(B)	4	3	2	1
(C)	3	2	1	4
(D)	1	4	2	3

169. Which of the following statements are true regarding data collection of a study
   1. Primary data of one study will serve as secondary data of another
   2. Primary data are useful only for future studies
   3. Personal interview is a survey method of data collection which employs a questionnaire
   4. Most cost effective method of collecting primary data is observation method

   (A) 1 is true, 2, 3, 4 are false
   ✓(B) 1 and 3 are true, 2 and 4 are false
   (C) All are false statements
   (D) 1 and 2 are true, 3 and 4 are false

170. Expand IECD

    (A)   Institute for Entrepreneurship and Council Development

    (B) ✓   Institute for Entrepreneurship and Career Development

    (C)   Institute for Entrepreneurship and Committee Development

    (D)   Institute for Entrepreneurship and Campus Development

171. ———————— is a key intervention in initiating and sustaining process of Empowerment

    (A) Training   (B) ✓ Education

    (C) Awareness   (D) Growth

172. E–Learning for Employee Training is

    (A) Customer Relationship Management

    (B) Supply Chain Management

    (C) ✓ Human Resource Management

    (D) Technology Management

173. The Major source of finance can be a combination of

    (A) ✓ Share Capital   (B) Coverage

    (C) Commission   (D) Brokerage

174. According to the Ninth phase, the major problems faced in developing entrepreneurship in rural areas are/is

    (A) Inadequate flow of credit and poor quality standards

    (B) Use of obsolete technology, machinery and equipment

    (C) Inadequate infrastructural facilities

    (D) ✓ All the above

175. Diastolic pressure of 120 to 130 mm Hg comes under —————

    (A) Mild hypertension

    (B) Modern hypertension

    (C) ✓ Severe hypertension

    (D) None

176. Pick out the "Good Cholesterol"

    (A) LDL   (B) VLDL

    (C) ✓ HDL   (D) TG (triglycerides)

177. For a person with typhoid, what kind of diet modification is provided

    (A) ✓ High calorie, high protein, high carbohydrate, low fat, high fluid

    (B) low calorie, high protein, high fibre, high fluid, low fat

    (C) High calorie, low protein, high carbohydrate, low fat, low fluid

    (D) No modification

178. Psyllium is a ————— supplements

    (A) Herbal

    (B) Weight loss products

    (C) ✓ Laxative

    (D) Biologic and nutrient

179. In the Kidney diseases potassium should be restricted to

    (A) ✓ 1 mmol /kg/ day

    (B) 1.2 mmol /kg/ day

    (C) 1.4 mmol/ kg/ day

    (D) 1.5 mmol/ kg/ day

180. Lymphoid cells in human milk in responsible for

    (A) ✓ Cellular immunity

    (B) Warmness of breast milk

    (C) Rh factor

    (D) Growth factor

181. AIDS is the final stage of ――――――― infection

    (A) ✓ HIV   (B) KSHV

    (C) HPV   (D) DNAV

182. Incidence of neural tube defects in pregnant women can be reduced by administering folic acid everyday at the rate of

    (A) 200 – 600 μg (B) 300 – 700 μg

    (C) ✓ 400 – 800 μg (D) 500 – 900 μg

183. In India child survival and safe Motherhood Programme was started in the year
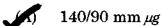
    (A) 1991   (B) ✓ 1992

    (C) 1993   (D) 1994

184. Pre eclampsia is characterised by the development of hypertension to the extent of _____

    (A) ✓ 140/90 mm μg

    (B) 130/90 mm μg

    (C) 140/80 mm μg

    (D) 130/80 mm μg

185. In steatorrhoea, the amount of fat excreted in stool is

(A) 30 gms
(B) 40 gms
(C) 50 gms
(D) ✓ 60 gms

186. Assertion (A) : Higher circulating levels of interleukin – 6 predicts disability onset in elderly

Reason (R) : Interleukin has a direct effect on muscle atrophy

(A) (A) is true (R) is false

(B) ✓ Both (A) and (R) are true and (R) is the correct explanation for (A)

(C) (A) is false and (R) is true

(D) Both (A) and (R) are true but (R) is not the correct explanation for (A)

187. How will you estimate the daily fluid requirements for an aged women of age 67 yrs weighing 50 kg?

(A) ✓ 1250 ml/day
(B) 1500 ml/day
(C) 1350 ml/day
(D) 1700 ml/day

188. Glycaemic index for glucose is

(A) 25
(B) 50
(C) 75
(D) ✓ 100

189. Choose the correct sequence

a. Nyctalopia
b. Xerophthalmia
c. Xerosis
d. Conjuctiva

(A) a – b – c – d
(B) ✓ a – d – c – b
(C) a – c – d – b
(D) b – a – d – c

190. Who is referred to as the father of the science of Nutrition?

(A) Anton Von Leuwenhoek
(B) ✓ Lavoisier
(C) Leibig
(D) Atwater

191. Which among the following food source has Hidden fat?

(A) Refined oils

(B) Stewed fish

(C) Bacon

✓(D) Mayonnaise

192. A mineral which helps to hasten the healing of wounds and burns is

✓(A) Zinc

(B) Calcium

(C) Phosphorus

(D) Iron

193. Ascorbic acid concentration is highest in

(A) liver

(B) plasma

(C) spleen

✓(D) adrenal gland

194. Plasma obtained during post meals is turbid or milky due to presence of

✓(A) Chylomicrons

(B) HDL

(C) LDL

(D) VLDL

195. Sericin is removed from silk by treating with this

✓(A) Soap

(B) Detergent

(C) Soda ash

(D) Sodium Chloride

196. Match the following :

	(a) Thiamin	1. Peripheral Neuritis
	(b) Riboflavin	2. Pellegra
	(c) Niacin	3. Cheilosis
	(d) Pyridoxin	4. beriberi

	(a)	(b)	(c)	(d)
(A)	3	2	1	4
(B) ✓	4	3	2	1
(C)	1	2	3	4
(D)	2	1	4	3

197. Which of the following is the earliest Ocular manifestation of moderate to severe vitamin A Deficiency?

(A) Bitot's Spots   (B) Corneal xerosis

(C) ✓ Nyctalopia   (D) Xerophthalmia

198. Cobalt deficiency leads to the deficiency of vitamin

(A) C   (B) ✓ B_{12}

(C) E   (D) B_6

199. Which among the following inhibits iron absorption during pregnancy?

(A) Hookworm infestation

(B) Progestrone impairs erythropoietin synthesis

(C) Decrease in erythropoietin levels

(D) ✓ Oestrogen impairs erythropoietin synthesis

200. Proteins are ——————— because of the presence of free amino and carboxyl group.

(A) amphilic   (B) hydrophobic

(C) hydrophilic   (D) ✓ amphoteric

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