# ENTRANCE EXAMINATION FOR ADMISSION, MAY 2013.

## Ph.D. (HOME SCIENCE)

### COURSE CODE : 134

Register Number :

*Signature of the Invigilator*
*(with date)*

### COURSE CODE : 134

Time : 2 Hours                                                    Max : 400 Marks

*Instructions to Candidates :*

1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.

2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.

3. Read each of the question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.

4. Avoid blind guessing. A wrong answer will fetch you –1 mark and the correct answer will fetch 4 marks.

5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.

6. Do not open the question paper until the start signal is given.

7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.

8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.

9. Use of Calculators, Tables, etc. are prohibited.

1. Which of the following package is an example of aseptic packaging?

    (A) Tetra pack boxes            (B) Aluminium foil

    (C) Pet bottles                 (D) Plastic bag

2. Sugar in Laddus and candies is in the form of

    (A) Liquid        (B) Solid        (C) Crystallisation (D) Gel

3. HDL is synthesized and secreted from

    (A) Pancreas      (B) Liver        (C) Kidneys          (D) Muscles

4. Germination takes longer in

    (A) Room temperature            (B) High temperature

    (C) Low temperature             (D) Sun light exposure

5. It is not the symptom of Diabetes Mellitus

    (A) Polyuria                    (B) Edema

    (C) Glycosuria                  (D) Polyphagia

6. Lathyrism is caused by eating

    (A) Fish          (B) Meat         (C) Peas             (D) Nuts

7. Cumin Seeds have the property of

    (A) Stimulant                   (B) Anti cancer

    (C) Both (A) and (B)            (D) None

8. Egg is called acid producing food item because it contains

    (A) Magnesium    (B) Sulphur       (C) Albumin          (D) Hydrogen

9. Rigor mortis affects meat by

    (A) Texture                     (B) Taste

    (C) pH                          (D) Bacterial Count

10. Ultra High Temperature milk is prepared by heating milk at temperature

    (A)  Lower than pasteurization   (B)  Higher than pasteurization

    (C)  Constant temperature        (D)  None

11. ——————— are subjected to freeze drying in food processing industries.

    (A)  Apples      (B)  Chicken      (C)  Onions      (D)  Tomatoes

12. Glutamic acid is derived from

    (A)  Wheat       (B)  Gluten       (C)  Rice        (D)  Maize

13. Normal BMI for adult Asians as suggested by WHO is

    (A)  $18 - 23 \text{ kg/m}^2$      (B)  $19 - 24 \text{ kg/m}^2$

    (C)  $20 - 25 \text{ kg/m}^2$      (D)  $21 - 26 \text{ kg/m}^2$

14. Glucose is the single form of energy for

    (A)  Muscles     (B)  Brain        (C)  Liver       (D)  Cells

15. Saturated fatty acid ——————— blood cholesterol.

    (A)  Elevates    (B)  Minimises    (C)  Maintains   (D)  Has no effect

16. Aflatoxin is a ——————— toxin.

    (A)  Fungal      (B)  Viral        (C)  Bacterial   (D)  Plant

17. A bicarbonate in Oral Rehydration Salt (ORS) is needed for

    (A)  Absorption          (B)  Treatment of acidosis

    (C)  Digestion           (D)  Taste

18. Low protein diets during pregnancy causes

    (A)  Hypertension  (B)  Anemia     (C)  Diabetes    (D)  Oedema

19. Breast feeding is not given when mother suffers from

    (A)  Obesity     (B)  Malnutrition  (C)  Diabetes   (D)  Infection

20. Soya bean contains ——————— % Protein.

    (A)  10        (B)  20        (C)  30        (D)  40

21. Vitamin $B_1$ is known as

    (A)  Thiamine      (B)  Neuritic factor  (C)  Beri beri factor  (D)  All

22. Burning feet can be cured by

    (A)  Nicotinic acid            (B)  Reboflavin

    (C)  Ascorbic acid             (D)  Pantothenic acid

23. Juvenile diabetes occurs in children below the age of

    (A)  10        (B)  15        (C)  12        (D)  14

24. It is a hydrolysed product of starch

    (A)  Maltose      (B)  Dextrin      (C)  Amylose      (D)  Glucose

25. Ledger is a type of

    (A)  Cash book      (B)  Purchase book  (C)  Journal      (D)  Sales book

26. It is an extremely formal style of food service

    (A)  Restaurant service           (B)  Room service

    (C)  Vending                   (D)  Banquet service

27. Tray meals in airlines is an example of

    (A)  Ala carte menu           (B)  Table dhote menu

    (C)  Combinational menu      (D)  Cyclic menu

28. This is the method of buying and it is called competitive bid buying

    (A)  Formal                 (B)  Informal

    (C)  Negotiated           (D)  Auction

29. The period of placement approach for recruitment is ——————— months.

   (A) 12          (B) 8          (C) 2          (D) 6

30. It is not a method of orientation

   (A) Formal      (B) Informal   (C) Demonstration (D) Lecture

31. ——————— method of communication is effective during immediate action.

   (A) Verbal                     (B) Oral

   (C) Written                    (D) Oral and written

32. Most of the delinquents belong to ——————— years.

   (A) 10-12       (B) 12-14      (C) 14-16      (D) 16-18

33. It is an accurate method of book keeping

   (A) Single entry (B) Double entry (C) Triple entry (D) Cash book

34. The most effective form of leadership style is

   (A) Autocratic  (B) Participative (C) Democratic (D) Laissez-faire

35. Communication through social groups by casual conversation is known as

   (A) Group communication        (B) Mass communication

   (C) Grapevine communication    (D) Inter communication

36. On the spot purchase of goods is called

   (A) Auction                    (B) Whole sale

   (C) Consignment                (D) Blanket order

37. Communication with oneself is known as

   (A) Organisational             (B) Group

   (C) Interpersonal              (D) Intrapersonal

38. The term 'SITE' stands for

   (A) Satellite Indian Television Experiment

   (B) Satellite International Television Experiment

   (C) Satellite Instructional Television Experiment

   (D) Satellite Instructional Teachers Education

39. Transforming thoughts, ideas and messages into verbal and non-verbal signs is referred to

(A) Channelization
(B) Mediation
(C) Encoding
(D) Decoding

40. Effective communication needs a supportive——————— environment

(A) Economic
(B) Political
(C) Social
(D) Multi-cultural

41. An effective teaching aid

(A) Is colourful and good looking
(B) Activates all faculties
(C) Is visible to all students
(D) Is easy to prepare and use

42. Flannel graph is ————————— aid.

(A) Audio
(B) Visual
(C) Audiovisual
(D) Teaching

43. Video-Conferencing can be classified as

(A) Visual one way
(B) Audio-visual one way
(C) Audio-visual two way
(D) Visual two way

44. Teaching is a ————————— process.

(A) One way
(B) Two way
(C) Interactive
(D) Two way interactive

45. Public communication tends to occur within a more ————————— structure.

(A) Complex      (B) Political      (C) Convenient      (D) Formal

46. Communication with divine, spirits and ancestors is called

(A) Transpersonal  (B) Interpersonal  (C) Intrapersonal  (D) Group

47. Feedback enables the communicator to carry out

    (A) Corrections                     (B) Amendments

    (C) Change message            (D) All

48. Communication is a primary tool for effective

    (A) Speaking                     (B) Behavioural change

    (C) Impact                        (D) All

49. A hypothesis is a

    (A) Law       (B) Canon       (C) Postulate       (D) Supposition

50. The most appropriate statistical test for analysing quantitative data is

    (A) Chi square       (B) Sign test       (C) T-test       (D) Median test

51. ———— is a research tool.

    (A) Graph       (B) Illustration       (C) Questionnaire  (D) Diagram

52. A variable that can be manipulated is ———— variable.

    (A) Dependent       (B) Independent       (C) Intervene       (D) Discreet

53. Research is conducted to

    (A) Generate knowledge            (B) Develop theory

    (C) Develop principles             (D) Reinterpret existing knowledge

54. The next step of editing in processing of data is

    (A) Computerization               (B) Publication

    (C) Classification                  (D) Interpretation

55. Action research is ———— research.

    (A) An applied       (B) Descriptive       (C) Longitudinal     (D) Simulative

56. The entire group from which sample chosen is known as

    (A) Population       (B) Variable       (C) Cluster       (D) Area

57. In Ex Post Facto research

    (A) Research is carried after incident

    (B) Research is carried prior to incident

    (C) Research is carried along with incident

    (D) Research is carried based on incident

58. This is a non-probability sampling technique

    (A) Random sampling          (B) Snowball sampling

    (C) Systemic random sampling (D) Cluster sampling

59. In preliminary pages, the report should contains

    (A) Reference    (B) Findings    (C) Purpose    (D) Preface

60. The sampling in which the population is divided into a number of smaller non overlapping areas is known as

    (A) Multi-stage    (B) Cluster    (C) Area    (D) Stratified

61. It is not a secondary property of fibre

    (A) Density    (B) Resiliency    (C) Luster    (D) Tenacity

62. What is the microscopic appearance of the Linen Fiber?

    (A) Striations    (B) Ribbon    (C) Scale like    (D) None

63. Mohair is the fibre derived from

    (A) Goat    (B) Sheep    (C) Camel    (D) Plant bark

64. Helanca yarn is made of ———————— fibre.

    (A) Cotton    (B) Silk    (C) Nylon    (D) Polyester

65. Column of loops is parallel to the loop axis and it is called

    (A) Course    (B) Wale    (C) Warp    (D) Weft

66. Which one of the following is the mechanical finishing of fibre?

    (A)  Tentering                    (B)  Mercerization

    (C)  Carbonization                (D)  Bleaching

67. An ideal pH of the fabric is

    (A)  6            (B)  7           (C)  8            (D)  5.5

68. Dobby weave is an example of ————— weave.

    (A)  Double      (B)  Plain       (C)  Decorative   (D)  Satin

69. An advantage of Knitted fabrics is

    (A)  Porous                       (B)  Easy to wash

    (C)  Low cost                     (D)  Flame resistance

70. Silk can be stiffened by

    (A)  Poly venyl chloride          (B)  Corn flour

    (C)  Gum arabic                   (D)  Rice

71. The method used to determine the yarn number is

    (A)  Texi                         (B)  Direct system

    (C)  Indirect system             (D)  Yarn twister

72. Glass is a ————— fibre.

    (A)  Metallic                     (B)  Elastomeric

    (C)  Mineral                      (D)  Complex

73. The method of developing a pattern from body measurements is called

    (A)  Clothing construction        (B)  Pattern making

    (C)  Drafting                     (D)  None

74. Paper napkins, disposable sheets are made of

    (A)  Felt wool                    (B)  Polyethylene

    (C)  Shuttle                      (D)  Bonded fibre fabric

75. This is the method suitable for cleaning small and large articles of any fabric

   (A) Friction                          (B) Light pressure

   (C) Washing machine                   (D) Suction

76. How many stages are there in fashion cycle?

   (A) 2            (B) 4            (C) 6            (D) 8

77. Which fashion adaptation theory is based on economical and social realities?

   (A) Trickle across                    (B) Bottom-up

   (C) Trickle-down                      (D) Pyramid theory

78. For laundry purpose, hardness of water is measured in

   (A) gms          (B) litres       (C) degrees      (D) density

79. The substance which give stiffness to clothes is

   (A) Jewelline water                   (B) Sodium chloride

   (C) Soap                              (D) Detergent

80. The chemical used to make hot water starch is

   (A) Borax        (B) Cellulose    (C) Sodium       (D) Starch

81. Temporary hardness in water is due to the presence of

   (A) Soluble chlorine                  (B) Sodium chloride

   (C) Magnesium sulphate                (D) Sodium sulphate

82. Staple fibres are short fibres of length range from ———————— cms.

   (A) 1-10         (B) 1-20         (C) 1-40         (D) 1-60

83. Vegetable stains are

   (A) Acidic       (B) Basic        (C) Neutral      (D) Alkaline

84. One of the following is the best repellent against moth

   (A) Naphthalene flakes      (B) Para-dichloro-benzene

   (C) Dried neem leaves      (D) Camphor

85. Telegraphic speech is a characteristic feature of ———— stage.

   (A) Early childhood      (B) Infancy

   (C) Neonatal      (D) Late childhood

86. This theory of child development states that people learn much by simply watching those around them

   (A) Learning theory      (B) Social learning theory

   (C) Cognitive theory      (D) Behaviourism theory

87. According to Piaget, the third stage of cognitive development is

   (A) Pre-operational      (B) Formal operational

   (C) Concrete operational      (D) Sensory-motor

88. Community development programme aims at developing ———— sector.

   (A) Rural      (B) Urban      (C) Education      (D) Industrial

89. This child rearing pattern is more creative, emotionally stable and mentally alert

   (A) Authoritarian    (B) Permissive      (C) Democratic      (D) None

90. Autism is a ———— problem.

   (A) Learning      (B) Mental

   (C) Emotional      (D) Emotional and behavioural

91. What stage does the baby desire to return to mother's womb?

   (A) Oral      (B) Anal      (C) Phallic      (D) Genital

92. ———— is the moral arm of personality.

   (A) Id      (B) Ego      (C) Super ego      (D) Anxiety

93. Changes occur mainly as a result of experience is said to be a product of

(A) Learning      (B) Maturation      (C) Guidance      (D) None

94. Who proposed that cognitive development passes through discrete stages?

(A) Piaget      (B) Frobel      (C) Montesson      (D) Erickson

95. The characteristics of Extension education is

(A) Cooperative      (B) Involuntary      (C) Non teaching      (D) Experimental

96. The cause of phobia could be

(A) Social      (B) Emotional

(C) Classical conditioning      (D) Mental

97. Which among the following is a human resource?

(A) Money      (B) Energy      (C) Goods      (D) Time

98. The highest level of setting conflicts is

(A) Compromise      (B) Acceptance of difference

(C) Integration      (D) Voluntary submission

99. The pin and string method of work simplification was suggested first by

(A) Gilbreth      (B) Ohlsen

(C) Humphry and Traxler      (D) Mundel

100. Which is the best type of kitchen plan?

(A) Corridor type      (B) Seperate unit      (C) L shape      (D) U shape