

ENTRANCE EXAMINATION FOR ADMISSION, MAY 2011.

Ph.D. (HOME SCIENCE)

COURSE CODE : 134

Register Number :

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*Signature of the Invigilator  
(with date)*

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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 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. Chiffonade refers to
  - (A) Aromatic herbs
  - (B) Style of cutting vegetables
  - (C) Japanese recipe
  - (D) French soup
2. Vegetable cutlet is prepared by the method of
  - (A) Braising
  - (B) Shallow frying
  - (C) Boiling
  - (D) Deep frying
3. Simple fat does not contain
  - (A) carbon
  - (B) hydrogen
  - (C) oxygen
  - (D) nitrogen
4. The precursor of niacin is
  - (A) pyridoxine
  - (B) tryptophan
  - (C) riboflavin
  - (D) leucine
5. Egg white injury occurs due to the presence of
  - (A) Biotin
  - (B) Avidin
  - (C) CHO
  - (D) Lipid
6. The substance isolated from the rind of citrus fruit is
  - (A) Citrin
  - (B) Isocitrin
  - (C) Hesperidin
  - (D) Curcumin
7. In cirrhotic patients there is marked decrease in
  - (A) albumin
  - (B) globulin
  - (C) creatin
  - (D) creatinin
8. Banquet service is a form of
  - (A) room service
  - (B) self service
  - (C) waiter service
  - (D) vending
9. Parallel kitchens are found in
  - (A) hospitals
  - (B) schools
  - (C) canteen
  - (D) hostels
10. All potentially hazardous foods should be stored at
  - (A) 60° F
  - (B) <45° F
  - (C) 75° F
  - (D) 70° F
11. Cooking method that involves electromagnetron waves is
  - (A) induction cooking
  - (B) microwave cooking
  - (C) broiling
  - (D) braising
12. Cholesterol breakdown to bile acids is accelerated by
  - (A) thyroid
  - (B) pituitary
  - (C) adrenal
  - (D) parathyroid

13. Which of the following is the diet prescribed for hypertensive patients?  
(A) Sippy's (B) Kempner's  
(C) Anderson's (D) None of these
14. Passing a tube into the stomach or duodenum through nose is called  
(A) nasogastric feeding (B) naso enteric feeding  
(C) naso duodenal feeding (D) naso jejunal feeding
15. Which nutrient facilitates absorption of iron?  
(A) CHO (B) Vitamin C  
(C) Vitamin E (D) None of these
16. Which of the following lines suggest life, activity, and dignity?  
(A) diagonal (B) vertical  
(C) horizontal (D) curved
17. Which of the following is solid and tangible?  
(A) texture (B) form  
(C) pattern (D) space
18. Deciding on the methods of saving, investment etc., are examples of  
(A) personal decision (B) collective decision  
(C) new decision (D) immediate decision
19. Record of all expenditures of a big nature is  
(A) income and expenditure account (B) a balance sheet  
(C) ledger (D) tally sheet
20. Knowledge, abilities, skills, talent are examples of  
(A) human resources (B) non human resources  
(C) both (D) none
21. For a small house the type of kitchen preferred is  
(A) U-shaped kitchen (B) L-shaped kitchen  
(C) Pullman kitchen (D) one wall kitchen

22. When black is added to a colour it produces  
(A) tint (B) shade  
(C) both (D) none
23. To prolong the life of flowers and slow down bacterial growth what can be added  
(A) Ammonia (B) Listerine  
(C) Charcoal (D) All of the above
24. Which of the following container should not be used for arranging flowers?  
(A) porcelain (B) plastic  
(C) aluminium (D) bronze
25. Tables should harmonise in  
(A) style (B) height  
(C) weight (D) (A) and (C)
26. The electric oven can be self-cleaned by  
(A) harsh abrasives (B) pyrolytic method  
(C) catalytic method (D) (B) and (C)
27. The front loading washing machines are also called as  
(A) pulsator washers (B) agitation type  
(C) tumbler type (D) automatic washers
28. A loan secured by a pledge of movable properties usually referred to as goods and effect is  
(A) real estate mortgage (B) chattel mortgage  
(C) amortized mortgage (D) straight mortgage
29. Love, affection, comfort are examples of  
(A) ethical values (B) moral values  
(C) intrinsic values (D) instrumental values
30. Perseverance of a home maker is an example of  
(A) managerial quality (B) physical quality  
(C) social quality (D) mental quality

31. Foetal alcohol syndrome is characterized by
- (A) miscarriage, premature birth, and bodily defects
  - (B) increased birth weight
  - (C) genetic defects
  - (D) addiction to alcohol in the newborn
32. A baby's gender is determined by the
- (A) Oxytocin level
  - (B) Ovum
  - (C) Sperm
  - (D) Testosterone level
33. Which of the following is characteristic of good parenting?
- (A) "hothousing"
  - (B) forced teaching
  - (C) flooding the infant with stimuli
  - (D) consistency
34. Competent children who are characterized by autonomy, self-control, and curiosity are often a consequence of the parenting style described as
- (A) authoritarian
  - (B) authoritative
  - (C) permissive
  - (D) submissive
35. Which of the following reflexes are related to feeding?
- (A) The Moro and rooting reflexes
  - (B) The rooting and sucking reflexes
  - (C) The Moro and sucking reflexes
  - (D) The Babinski and orienting reflexes
36. Harlow's studies of surrogate mothers show that
- (A) Infant monkeys prefer the cloth surrogate only when it is the source of food
  - (B) The wire surrogate is preferred because of its association with food
  - (C) When frightened, infants run to the cloth surrogates for security and contact
  - (D) Attachment to the wire "feeding mothers" is identical to that displayed toward real mothers
37. The change of voice in males is due to
- (A) Growth of larynx and vocal chord
  - (B) The growth spurt
  - (C) Harmonal imbalance
  - (D) All of the above
38. Theory of cognitive development was given by
- (A) Piaget
  - (B) Crow and Crow
  - (C) Hurlock
  - (D) Einstein

39. Germ Theory of Disease was given by  
 (A) Edward Jenner (B) Louis Pasteur  
 (C) Leeuwenhock (D) None of the above
40. Which of the following can lead to complications with an infant's health?  
 (A) Mother is underweight prior to conception  
 (B) Mother gains 10 pounds during pregnancy  
 (C) Mother gains 50 pound during pregnancy  
 (D) All of the above
41. UNICEF organisation works for the welfare of  
 (A) Children (B) Old people  
 (C) Patients (D) Pregnant women
42. Teething in babies start at the age of  
 (A) 1 month (B) 3 months (C) 6 months (D) 10 months
43. Imaginative thinking occurs at the age of  
 (A) 3 years (B) 6 years (C) 9 years (D) 12 years
44. Total protein synthesised during pregnancy is  
 (A) 900 gm (B) 700 gm (C) 1200 gm (D) 1500 gm
45. The first yellow milk that comes out of breast of mother is  
 (A) Serum (B) Cholesterol  
 (C) Colostrum (D) Sterol
46. The finished edge of the fabric which runs lengthwise is  
 (A) grain (B) selvedge (C) seam (D) hem
47. Which of the following should be avoided while laundering wool?  
 (A) alkali (B) acid  
 (C) low temperature (D) all the above
48. Surface figure weave is  
 (A) swive (B) lappet  
 (C) spot or dot (D) all the above

49. Trickle-Across theory was proposed by
- (A) Camus A. King (B) Charles W. King  
(C) Doyle Dane Bernaback (D) Malcolm King
50. Mangling is used in case of
- (A) Woolen articles (B) Rough articles  
(C) Silk articles (D) All of the above
51. Fresh blood stain can be removed by
- (A) javelle water (B) methylated spirit  
(C) salt and ammonia (D) warm soapy water
52. Lime juice is added to the last rinse of
- (A) worsteds (B) white woolens  
(C) coloured woolens (D) all woolens
53. Series of buttons in a dress displays
- (A) proportions (B) rhythm  
(C) balance (D) harmony
54. When cotton is boiled in caustic soda solution it
- (A) swells (B) turns yellow  
(C) turns red (D) dissolves
55. Interfacing is
- (A) A layer of fabric put between other layers of fabric in order to give the product more strength or shape  
(B) The amount of fabric between the seam and the raw edge  
(C) The finished edge along the edge of a roll of fabric that keeps it from raveling  
(D) A quarter yard (18" × 22") of fabric created when half of a yard of fabric is cut into two halves
56. Which one of the following types of fabrics is an elastic fiber made from Latex and used along with other fibers to make fabrics like Spandex or foundation clothing?
- (A) Latex (B) Nylon  
(C) Acrylic (D) Acetate

57. Which stitch is used in Punjabi Phulkari?  
 (A) Chain (B) Darning  
 (C) Herringbone (D) Satin
58. Reason for irregular stitching in Sewing machine is  
 (A) Too little pressure on pressure foot (B) Too much pressure on pressure foot  
 (C) Thread too loose (D) Irregular thread tension
59. Burning test for animal fibre gives  
 (A) Blue flame (B) Smell of sulphur  
 (C) Grey ash (D) Bead formation
60. Which product is recommended for getting a ballpoint ink stain out of fabric?  
 (A) Dishwashing detergent (B) Hairspray  
 (C) Vinegar (D) Rubbing alcohol
61. POSDCORB is associated with  
 (A) Management and administration  
 (B) Educational media  
 (C) Software related to rural database compilation  
 (D) International bank for rural development
62. Approach with an open mind and spirit of enquiry should be  
 (A) Impartial (B) Analytical (C) Factual (D) All the above
63. PRA is a  
 (A) participatory method (B) highly personalized  
 (C) participation of elite literate group (D) all of the above
64. What is the moral fact of leadership  
 (A) loyalty (B) Initiative (C) Integrity (D) Tact
65. Sure death to a message is meant as  
 (A) noise (B) decoding (C) fuzziness (D) inaccurate



66. An outline of activities arranged so as to enable efficient execution of the entire programme is  
 (A) frequency of work (B) action of work  
 (C) plan of work (D) calendar of work
67. Fidelity is  
 (A) loyalty (B) integrity (C) intelligence (D) enthusiasm
68. The power to make decisions which guide the action of another is  
 (A) superiority (B) authority  
 (C) subordination (D) none of the above
69. One who believes that if workers are left alone, the work will be done is  
 (A) Laissez-faire leader (B) formal leader  
 (C) Informal leader (D) democratic leader
70. The leader who operates as if he cannot trust people is  
 (A) volunteer leaders (B) autocratic leaders  
 (C) natural leaders (D) formal leaders
71. The acceptance of change is also influenced by the nature of  
 (A) local leadership (B) social contacts  
 (C) social values (D) social belief
72. The spread of new idea from its source of invention to its ultimate user is  
 (A) deflect processes (B) diffusion process  
 (C) adoption process (D) implementation
73. What is the socially prescribed form of behaviour, transmitted by tradition?  
 (A) Culture (B) Belief (C) Custom (D) Tradition
74. Who established Arya Samaj?  
 (A) Swami Dayanand Saraswathi (B) Raja Ram Mohan Rai  
 (C) Vinoba Bhave (D) None of the above
75. What are the approved forms of behaviour for specific situations?  
 (A) Culture (B) Folkways and usages  
 (C) Customs (D) Traditions

76. The chief function of the control group in an experiment is that it
- (A) allows mathematical relationships to be established
  - (B) provides a point of reference against which the behaviour of the experimental group can be compared
  - (C) balances the experiment to eliminate all extraneous variables
  - (D) is not really necessary
77. SPSS refers to
- (A) Sigma test
  - (B) Statistics software
  - (C) Simulation study
  - (D) None of the above
78. Which of the following should be avoided as methods of presenting data?
- (A) Cartograms
  - (B) Spheres and cubes
  - (C) Pie diagrams
  - (D) Squares and rectangles
79. End note appears at the
- (A) end of a page
  - (B) end of a chapter
  - (C) end of the report
  - (D) none of the above
80. Bar diagrams are \_\_\_\_\_ dimensional diagrams
- (A) one
  - (B) three
  - (C) five
  - (D) six
81. In a study of effects of alcohol on driving ability, the control group should be given
- (A) a high dosage of alcohol
  - (B) one-half the dosage given the experimental group
  - (C) a driving test before and after drinking alcohol
  - (D) no alcohol at all
82. A psychologist watches the rapid eye movements of sleeping subjects and wakes them to find they report that they were dreaming. She concludes that dreams are linked to rapid eye movements. This conclusion is based on
- (A) pure speculation
  - (B) direct observation
  - (C) deduction from direct observation
  - (D) prior prediction
83. When one regression coefficient is negative, the other would be
- (A) positive
  - (B) zero
  - (C) bivariate
  - (D) none of the above

84. Which type of scale allows the ranking of items or individuals from highest to lowest?  
(A) Interval scale (B) Ratio scale  
(C) Ordinal scale (D) Discrete scale
85. The statistical technique that combines results of a large number of studies is called  
(A) experimental correlation (B) statistical linear analysis  
(C) meta-analysis (D) hypothetical analysis
86. The process of assigning numerals or symbols to answer is  
(A) coding (B) numbering (C) classification (D) editing
87. Independent variable that are not related to the purpose of the study, but may affect the dependent variable are termed as  
(A) control variable (B) extraneous variable  
(C) confounded variable (D) none of the above
88. Principle of local control relates to  
(A) cohort study (B) experimental study  
(C) survey based study (D) all types of research
89. "\_\_\_\_\_ the child fell ill because of evil eye befell on the child"- this statement is  
(A) null hypothesis (B) alternate hypothesis  
(C) false hypothesis (D) barren hypothesis
90. Rejecting  $H_0$  when the  $H_0$  is true is called  
(A) Type I error (B) Type II error  
(C) Beta error (D) None of the above
91. Specifying the number of children is a  
(A) continuous variable (B) discreet variable  
(C) nominal variable (D) relational hypothesis

92. Likert scale is a  
(A) 5 point scale (B) 7 point scale (C) 9 point scale (D) 11 point scale
93. When the same set of variables is both used as independent and dependent variable they are set to be  
(A) symbiotic (B) mutuals (C) confounding (D) homogenous
94. Law of parsimony refers to  
(A) simplification (B) complexity  
(C) comprehensive (D) none of the above
95. Which of the following is not a funding agency?  
(A) UGC (B) ICSSR  
(C) DST (D) None of the above
96. Which of the following is not a data/e journal store?  
(A) INFLIBNET (B) NASSDOC (C) JSTOR (D) SPSS
97. The degree to which a research tool actually measures is referred to as  
(A) content validity (B) construct validity  
(C) predictive validity (D) concurrent validity
98. Descriptive research can otherwise be called as  
(A) ex-post-fact research (B) narrative research  
(C) cross-sectional research (D) longitudinal research
99. Tertiary data source refers to  
(A) census data/ NNMB/ICMR  
(B) data documented based on experimental studies  
(C) dictionary/thesaurus/encyclopaedia  
(D) both (B) and (A)
100. "Don't you feel coeducation schooling leads to positive bent of thinking" is a  
(A) subjective question (B) leading question  
(C) unstructured question (D) none of the above
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