

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA

Ph. D. ENTRANCE TEST (PET) – 7th August 2022

Signature of Invigilator

Paper - II
Home science (22/16)

Roll.
No.

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Maximum Marks: 50

No. Of Printed Pages: 8

Instruction for the Candidate:

1. This paper consists of **FIFTY (50)** multiple choice type questions. Each Question carries **ONE (1)** mark.
2. There is no Negative Marking for Wrong Answer.
3. A separate OMR Answer Sheet has been provided to answer questions. Your answers will be evaluated based on your response in the OMR Sheet only. No credit will be given for any answering made in question booklet.
4. Defective question booklet or OMR if noticed may immediately replace by the concerned invigilator.
5. Write roll number, subject code, booklet type, category and other information correctly in the OMR Sheet else your OMR Sheet will not be evaluated by machine.
6. Select most appropriate answer to the question and darken appropriate oval on the OMR answer sheet, with black / blue ball pen only. **DO NOT USE PENCIL** for darkening. In case of over writing on any answer, the same will be treated as invalid. Each question has exactly one correct answer and has four alternative responses (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.
Example: (A) ● (B) ● (C) ● (D) ● where (B) is correct response.
7. Rough Work is to be done in the end of this booklet.
8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Answer Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification.
9. Calculators, Log tables any other calculating devices, mobiles, slide rule, text manuals etc are **NOT** allowed in the examination hall. If any of above is seized from the candidates during examination time; he/ she will be immediately debarred from the examination and corresponding disciplinary action will be initiated by the Center Supervisor as deemed fit.
10. **DO NOT FOLD** or **TEAR** OMR Answer sheet as machine will not be able to recognize torn or folded OMR Answer sheet.
11. **You have to return the OMR Answer Sheet to the invigilator at the end of the examination compulsorily** and must not carry it with you outside the Examination Hall. You are however, allowed to carry original question booklet on conclusion of examination.

Paper - II
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| <p>01) One of the following is not a PRA technique</p> <ul style="list-style-type: none">A) Transect walkB) Resource mappingC) Venn diagramD) Mind Mapping <p>02) Peoples participation in development uses following:</p> <ul style="list-style-type: none">A) NewspaperB) Seasonal DiagrammingC) RadioD) Television <p>03) The folk theater of Maharashtra state is</p> <ul style="list-style-type: none">A) JatraB) TamashaC) BhavaiD) Yakshgana <p>04) ASHA is a government of India Scheme related to which among the following development programmes?</p> <ul style="list-style-type: none">A) Integrated Child Development Services SchemeB) National Rural Health MissionC) National Literacy MissionD) Sarva Shiksha Abhiyan <p>05) Kavigaan is a popular ballad from</p> <ul style="list-style-type: none">A) Uttar PradeshB) MaharashtraC) West BengalD) Tamil Nadu <p>06) People responsible for selecting and filtering the messages in the Mass Communication are called as</p> <ul style="list-style-type: none">A) Opinion LeadersB) FacilitatorsC) Gate KeepersD) Coordinators <p>07) Bill Boards, Signs & Placards are categorized as</p> <ul style="list-style-type: none">A) Broadcast MediaB) New Age MediaC) Outdoor MediaD) None of the above <p>08) One of the following is not a form of Mass Communication</p> <ul style="list-style-type: none">A) Letter to editorB) News HeadlinesC) Live Phone insD) TRPs | <p>09) MNREGA strives to provide in rural communities</p> <ul style="list-style-type: none">A) Economic securityB) Build community resourcesC) Dignity of workD) All of the above <p>10) The principle of Grassroot Leadership in Extension implies involvement of</p> <ul style="list-style-type: none">A) Formal LeadersB) Informal leadersC) Women leadersD) All of the above <p>11) According to Maslow's Hierarchy of Needs, what is the first need that must be met?</p> <ul style="list-style-type: none">A) Physiological needB) Psychological needsC) Self-esteemD) Self-actualization <p>12) Which day is celebrated as the National Consumers' Day?</p> <ul style="list-style-type: none">A) 25th SeptemberB) 24th OctoberC) 24th DecemberD) 15th March <p>13) These are those things which are instrumental in reaching the desired goals</p> <ul style="list-style-type: none">A) ValuesB) MoneyC) EnergyD) Resources <p>14) This is done to hide the drawback or defect and enhance the beauty of a room</p> <ul style="list-style-type: none">A) ConcealmentB) SupplementationC) EliminationD) Rearrangement <p>15) The brightness and dullness of a colour is indicated by</p> <ul style="list-style-type: none">A) HueB) ValueC) IntensityD) Shade <p>16) This is an important tool which helps a family in proper utilization of their money resource</p> <ul style="list-style-type: none">A) Budget makingB) Savings planC) Investment planD) Income plan. |
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- 17) The safe exposure limits for noise levels for 08 hours of working/day is
 A) 90 dBA
 B) 110 dBA
 C) 130 dBA
 D) 150 dBA
- 18) The recommended height of the work surface in the kitchen for efficient operation is
 A) 4 inches below the elbow
 B) 5 inches below elbow level
 C) 3 inches below elbow level
 D) 6 inches below the elbow
- 19) This type of wood is darker and heavier than other types of wood.
 A) Soft wood
 B) Hard wood
 C) Solid wood
 D) Laminated wood
- 20) Which of the following would help a small room look larger?
 A) Use of light colors
 B) Use large furniture
 C) Use rough textures
 D) Use dark colours
- 21) Indicate the benefit of nanotechnology in food packaging?
 A) improve mechanical barriers
 B) detection of microbial contamination
 C) potentially enhance bioavailability of nutrients
 D) All the mentioned
- 22) **Statement 1.** The stomach of goat has rennin which is used to make cottage/curd cheese.
Statement 2. The sea foods such as shrimp can destroy vitamin B12 in the body if eaten raw due to the presence of an enzyme called thiaminase.
 A) 1. True, 2. True
 B) 1. False, 2. True
 C) 1. False, 2. False
 D) 1. True, 2. False
- 23) The temperature of danger zone for food is
 A) 40 degree Fahrenheit to 140 degree Fahrenheit
 B) 0 degree Fahrenheit to 100 degree Fahrenheit
 C) 20 degree Fahrenheit to 120 degree Fahrenheit
 D) 180 degree Fahrenheit to 300 degree Fahrenheit
- 24) The enzyme playing central role in black tea processing is ____
 A) Protease
 B) Polyphenol oxidase
 C) Papain
 D) Phosphatidase
- 25) Fig is an example of which classification of fruit?
 A) Pepo fruit
 B) Aggregate fruit
 C) Multiple fruit
 D) Accessory fruit
- 26) _____ is the typical organism causing flat sour disease spoilage in low acid foods.
 A) Bacillus stearothermophilus
 B) Clostridium sporogenes
 C) Both a and b
 D) None mentioned
- 27) The correct sequence of product life cycle is _____.
 A) Entry, Growth, Maturity, Death
 B) Growth, Entry, Maturity, Death
 C) Entry, Maturity, Growth, Death
 D) Maturity, Entry, Growth, Death
- 28) In terms of food service, various evaluation method PERT, T Stands for _____.
 A) Tool
 B) Team
 C) Technique
 D) Technology
- 29) Which statement is incorrect?
 A) Ideation is required in food product development
 B) After prototype creation one is able to change the product
 C) Sensory evaluation is must in testing of food.
 D) Modification in food product is judged by the panel.
- 30) Cadburys, a manufacturer of chocolates, wants to study the market for their product on the basis of gender. Males have assigned the number 0 and females the number 1 as scales of measurement. What type of scaling method does Cadburys follow?
 A) Nominal measurement
 B) Ordinal measurement
 C) Internal measurement
 D) Ratio measurement
- 31) Qualitative research is characterized by:
 A) Belief in multiple perspectives; objectivity and directed intervention
 B) Belief in multiple perspectives; subjectivity and naturalistic settings
 C) Belief in a single perspective; objectivity and controlled settings
 D) Belief in a single perspective; subjectivity and directed intervention

- 32) According to Erikson, which stage is denoted by young adulthood?
 A) Intimacy vs. Isolation
 B) Generativity vs. Stagnation
 C) Ego integrity vs. Despair
 D) Identity vs. Role Confusion
- 33) One of the major propositions made by Noam Chomsky is
 A) Language Acquisition Device
 B) Scaffolding
 C) Ego States
 D) Zone of Proximal Distance
- 34) Social Cognitive theory was proposed by-
 A) Skinner
 B) Bronfenbrenner
 C) Pavlov
 D) Bandura
- 35) An operational definition is
 A) One that bears no relation to the underlying concept
 B) An abstract theoretical definition of a concept
 C) A definition of a concept in terms of specific empirical measures
 D) One that refers to opera singers' performance
- 36) ----- is a psychological, evolutionary and ethological theory concerning the relationship between humans
 A) Attachment theory
 B) Emotional theory
 C) Learning theory
 D) Developmental theory
- 37) The approach which does not only concentrate on the individual but also his/her relations in the family is known as
 A) Institutional approach
 B) Systemic approach
 C) Family life cycle approach
 D) Social approach
- 38) The fact that people can use later experiences to compensate for earlier deficits is a contradiction of which element of earlier developmental psychology?
 A) Stability
 B) Discontinuity
 C) Continuity
 D) Critical periods
- 39) Which of the following is TRUE?
 A) Phoneme skills are strong predictors of reading success
 B) Phoneme skills have no bearing on reading success
 C) Phoneme skills are strong predictors of vocabulary size
 D) Phoneme skills aid in the development of grammar
- 40) If there were a perfect positive correlation between two internal variables, the Pearson's r would give a correlation coefficient of
 A) .328
 B) +1
 C) +.328
 D) -1
- 41) Principles in textile design are
 I. Proportion
 II. Balance
 III. Light
 IV. Harmony
 V. Rhythm
 A) I, II, III, IV are correct.
 B) I, II, IV, V are correct.
 C) II, III, IV, V are correct.
 D) III, I, II, IV are correct.
- 42) Gabardine is a _____ weave fabric
 A) basket weave
 B) twill weave
 C) Leno weave
 D) Dobby weave
- 43) Machine needles with higher numbers (16) are used for
 A) Finer fabrics
 B) Medium weight fabrics
 C) Heavy weight fabrics
 D) Any weight fabrics
- 44) Covalent bonds are found in
 A) Silk
 B) Wool
 C) Acrylic
 D) Cotton
- 45) Mekhla Chaddar is the traditional costume from
 A) West Bengal
 B) Meghalaya
 C) Kerala
 D) Assam

- 46) ----- is a high neck line that cuts straight across the collar bone.
- A) Jewel.
 - B) Cowl neck.
 - C) Scoop.
 - D) Boat neck.
- 47) Which of the following correctly shows the percentage of water regain of the fibres in ascending order?
- A) nylon, cotton, silk, acetate rayon
 - B) acetate rayon, nylon, silk, cotton
 - C) nylon, acetate rayon, cotton, silk
 - D) nylon, silk, acetate rayon, cotton
- 48) Amorphous fibers are
- A) Stiff in handle
 - B) Strong internal bonding
 - C) Lower chemical resistance
 - D) Difficult to dye
- 49) Select the correct sequence for Jute processing.
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- A-Cultivation,
 - B-Retting,
 - C-Harvesting,
 - D-Packing,
 - E-Stripping,
 - F-Washing,
 - G-Drying
- A) A,C,B,E,F,G,D
 - B) A,B,C,D,E,F,G
 - C) A,C,D,E,F,G,B
 - D) E,F,G,A,C,B,D
- 50) The resist and mordant hand block printed textile having geometric motifs with strong grid pattern in blue and red is known as _____
- A) Ajrakh
 - B) Bagh
 - C) Balotra
 - D) Bagru

Rough Work: