

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA

Ph. D. ENTRANCE TEST (PET) – 27th January 2019

Signature of Invigilators

Home Science
(19/16)

Roll No.

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(in figures as in Hall Ticket)

Roll No. _____

(in words)

Maximum Marks: 50

No. Of Printed Pages : 8

Instruction for the Candidate:

1. Write your Roll Number in the space provided on the top of this page.
2. This paper consists of **FIFTY (50)** multiple choice type questions. Each Question carries **ONE (1)** mark.
3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below:
 - a. To have access to the Question Booklet, tear off the paper seal on the edge of this cover page, Do not accept a booklet without sticker seal and do not accept an open booklet.
 - b. Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faculty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
 - c. After this verification is over, the Test Booklet Number should be entered on the OMR Answer Sheet and the OMR Answer Sheet Number should be entered on this Test Booklet.
4. Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.

Example: (A) ● (C) (D) where (B) is correct response.
5. Your responses to the items are to be indicated on the OMR Answer Sheet under Paper – II only. If you mark your response at any place other than in the circle in the OMR Answer Sheet, it will not be evaluated.
6. Read instructions given inside carefully.
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. You have to return the original 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 and duplicate copy of OMR Answer Sheet on conclusion of examination
10. Use only Blue/ Black Ball point pen.
11. Use of any calculator or log table etc., is prohibited.
12. There shall be no negative marking.

Home Science

(19/16)

Note: This paper contains **FIFTY (50)** multiple-choice questions. Each Question carries **ONE (1)** mark.

- 01) Indicate the region, separating one system from another, in the systems approaches to management
- A) Boundary
 - B) Interface
 - C) Exchanger
 - D) Divider
- 02) 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
- 03) From the following options which are not new trends of management?
- a. JIT
 - b. TQM
 - c. MBO
 - d. BARS
 - e. PERT
 - f. ERG
- CODES:-**
- A) (e) and (b) are correct
 - B) (d) and (f) are correct
 - C) (e) and (c) are correct
 - D) (a) and (c) are correct
- 04) Eliminating or combining parts of jobs is suggested by incorporating changes in
- A) Tools
 - B) Posture
 - C) Production sequence
 - D) Raw materials
- 05) When black colour is added to any colour it is called
- A) Chrome
 - B) Tint
 - C) Shade
 - D) Colour Value
- 06) One of the Techniques of work simplification is
- A) Equipment Plan
 - B) Product plan
 - C) Pathway chart
 - D) Work plan
- 07) The World Consumer Rights Day is celebrated on
- A) 15th March
 - B) 10th December
 - C) 1st April
 - D) 12th October
- 08) The Act governing Consumer Disputes Redressal Forum is
- A) The Bureau of Indian Standards Act
 - B) The Consumer Protection Act
 - C) The Trade Merchandise Mark Act
 - D) Restrictive Trade Practices Act
- 09) Indicate the correct sequence of activities in the Home Management process.
- A) Planning, organization, feedback, implementation.
 - B) Planning, organization, implementation, feedback.
 - C) Planning, implementation, organization, feedback.
 - D) Planning, feedback, organization, implementation.
- 10) Most durable, long lasting and low maintenance metal used commonly for construction of Household equipment is
- A) Aluminium
 - B) Iron
 - C) Stainless steel
 - D) Copper

- 11) When a tool measures responses consistently it is considered
- A) Reliable
 - B) Valid
 - C) Objective
 - D) Replicable
- 12) In India, Gijubhai Badheka and Tarabai Modak influenced the field of
- A) Adolescent development
 - B) Geriatrics
 - C) Early childhood education in India
 - D) Infancy
- 13) According to the WHO, Health is defined as
- A) The absence of disease
 - B) Physical fitness
 - C) Balance of mind and body
 - D) Physical, mental and spiritual well being
- 14) What is meant by an "emic" perspective?
- A) Perspective relevant to all cultures
 - B) Perspective based on the individual
 - C) Culture-specific perspective
 - D) Non-cultural perspective
- 15) Research in cross cultural psychology focuses on
- A) Cultural differences
 - B) Psychic unity of mankind
 - C) Cultural relativism
 - D) Age differences in development
- 16) Dyscalculia, a learning disability is not associated with which of the following statements?
- A) Poor sense of direction, easily disoriented and easily confused by changes in routine
 - B) Trouble with the concept of time-chronically late, difficulty remembering schedules, trouble with approximating how long something will take
 - C) Difficulty playing strategy games like chess, bridge or role playing
 - D) Tight, awkward pencil grip and body position
- 17) Defense mechanisms protect the ego from
- A) Depression
 - B) Boredom
 - C) Stress
 - D) Anxiety
- 18) The Indian test for developmental assessment of infants is
- A) DASII
 - B) BAYLEY
 - C) PPSII
 - D) SIMON-BINET TEST
- 19) How important are ethical issues to your research project?
- A) They can be considered at the final stages of the project.
 - B) They are important to my project but are not something I need to consider until I have finished collecting my data.
 - C) They are very important at many stages of the research process. They have implications for what and who can be researched and for how research can be conducted.
 - D) They are of little importance to the topic I plan to study.
- 20) The study -----challenged the adolescent turmoil posited by Hall as a human universal
- A) Coming of age in Samoa, Margaret Mead
 - B) Coming of age in Samoa, Malinowski
 - C) Growing up in New Guinea, Whiting
 - D) family among the Australian aborigines, Malinowski
- 21) Teaching on TV is superior to class room instruction because
- A) Very large classes are made' possible and thus. it; is economically advantageous
 - B) Experts for teaching a difficult topic can be arranged and others can be benefited from them
 - C) Teaching materials can be filmed for reuse
 - D) All of these

- 22) Which of the following is not the characteristic of group buying?
- Buying website is developed.
 - Sellers offer products at significantly reduced price.
 - Buyers need to pay for the goods when received.
 - It is a prepaid purchase.
- 23) A video consists of a sequence of
- Frames
 - Signals
 - Packets
 - Slots
- 24) One of the social objectives of extension education is
- Restoration of caste and culture harmony
 - Increase income
 - Training of artisans
 - None of the above
- 25) Provision of 'Right to Equality' has been incorporated in Indian Constitution under the articles
- 16 to 20
 - 15 to 19
 - 14 to 18
 - 13 to 17
- 26) Which of the following is an example of a community?
- Family
 - Marriage
 - Village
 - Refugee camp
- 27) The main objective of "Education for all" is to be
- Promote to learning society
 - Promote to economic development
 - Promote to health facilities development
 - Promote to child education
- 28) Main objective of the National Policy on Women Empowerment 2001 was
- Women's progress development and empowerment
 - Education for women
 - Economic development of women
 - Health facilities development for women
- 29) Education technology is
- Use of books
 - Use of material
 - Use of learning theories
 - Use of teaching techniques
- 30) A good communicator begins his/her presentation with a :
- Complex question
 - Non-sequitur
 - Repetitive phrase
 - Ice-breaker
- 31) In a district in one year, there were 1550 children born and 7 of their mothers died during childbirth. What is the maternal mortality rate (MMR) of this district ?
- 410
 - 451
 - 501
 - 550
- 32) An adult woman weighs 65 kg and has a height of 155 cm. As per the BMI classification the woman is
- Normal
 - Undernourished
 - Overweight
 - Obese
- 33) Which of the following is not involved or produced during ripening of cheese
- proteolytic enzymes
 - volatile acids
 - malic acid
 - lactic acid

- 34) Amount of sugar to be added in wood apple jelly is
 A) $\frac{3}{4}$ of extract
 B) $\frac{1}{4}$ of extract
 C) $\frac{1}{2}$ of extract
 D) Jelly can't be prepared
- 35) Maximum storage time of milk at ideal refrigeration temperature is
 A) 1 day
 B) 7 – 10 days
 C) 3 – 7 days
 D) 10 days
- 36) Which of the following is not a component of dietary fibre
 A) Cellulose
 B) Pectin
 C) Lignin
 D) Agar
- 37) The first step in refining process of many oils is
 A) Degumming
 B) Refining
 C) Bleaching
 D) Winterization
- 38) In Nephrotic Syndrome the diet prescribed is
 A) low in protein
 B) high in protein
 C) normal protein
 D) Nil in protein
- 39) 100 g of spinach leaves gives 22 g of dried powder. The moisture content of spinach leaves is
 A) 22 g
 B) 78 g
 C) 88 g
 D) 68 g
- 40) Which vitamin is involved in clotting of blood
 A) Vitamin C
 B) Vitamin K
 C) Vitamin D
 D) Vitamin E
- 41) Additive Primaries are
 A) Red, Blue and Green
 B) Red, Blue and Yellow
 C) Cyan, Green and Blue
 D) Cyan, Magenta and Yellow
- 42) Dyes suitable for sublimation transfer are
 A) Acid dyes
 B) Disperse dyes
 C) Pigments
 D) Direct dyes
- 43) A straight, form fitting silhouette is known as
 A) Trumpet.
 B) Mermaid
 C) Sheath.
 D) Tulip
- 44) Which of the following is a leaf fiber
 A) Banana
 B) Sisal
 C) Flax
 D) Ramie
- 45) Singeing of Polyester is done to
 A) Increase strength
 B) Reduce pilling
 C) Improve dyeability
 D) Improve dimensional stability
- 46) The most suitable thickener for reactive dye for printing on cotton is
 A) Carboxy methyl cellulose
 B) Sodium alginate
 C) Starch
 D) Gum Arabic

- 47) For stitching medium weight fabric the machine needle used is
- A) 8
 - B) 12
 - C) 16
 - D) 18
- 48) Descending order of density for the following fibers- cotton, silk, polyester and polypropylene is
- A) Polyester > cotton > wool > polypropylene
 - B) Cotton > polyester > polypropylene > wool
 - C) Cotton > Polyester > wool > polypropylene
 - D) Wool > cotton > polypropylene > polyester
- 49) An optical brightener is a
- A) A synthetic blueing agents
 - B) A fluorescent compound
 - C) A colourless compound
 - D) An optical whitener
- 50) Acid dye is held on nylon by
- A) Electrostatic forces
 - B) Covalent bonds
 - C) Vander waal forces
 - D) Hydrogen bonds

Rough Work: