

Seat No.	
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**M.Phil./Ph.D. Entrance Examination, August - 2018****FOOD SCIENCE AND TECHNOLOGY****Under Faculty of Science**

Day and Date : Wednesday, 08 - 08 - 2018

Total Marks : 100

Time : 4.00 p.m. to 6.00 p.m.

- Instructions :
- 1) All questions are compulsory.
  - 2) Each question carries 2 marks.
  - 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
  - 4) Use black ball point pen only for marking the circle. Do not make any stray mark on the OMR Answer Sheet.
  - 5) Follow the instructions given on OMR Sheet.
  - 6) Rough work shall be done on the sheet provided at the end of question paper.
  - 7) Only non programmable calculators are allowed.

- 1) Richest source of iron is
  - A) Mango
  - B) Pomegranate
  - C) Bale
  - D) Dry karonda
- 2) Solanine is
  - A) Not known to be harmful to humans
  - B) A naturally occurring toxin found in green potatoes.
  - C) Naturally occurring toxin found in shellfish.
  - D) Toxin that grows on corn and peanut products.
- 3) Electric conductivity in the milk highest is
  - A) Buffalo
  - B) Goat
  - C) Cow
  - D) Sheep
- 4) Smoke point of avocado oil is
  - A) 195°C
  - B) 350°C
  - C) 160°C
  - D) 260°C

**P.T.O.**

- 5) Iso flavonoids and phytoestrogen sources  
A) Wheat  
B) Soyabean  
C) Potato  
D) Palm
- 6) Single cell proteins are undesirable  
A) Content spirulina  
B) Present uronic acid  
C) Both A & B  
D) None
- 7) Which of the following is primarily composed of calcium carbonate?  
A) Fish scales  
B) Oyster Shells  
C) Shark teeth  
D) Whale bones
- 8) Which organism used in fermentation of soya sauce  
A) *Saccharomyces cereviceae*  
B) *Clostridium*  
C) *Staphylococcus*  
D) *Saccharomyces roxii*
- 9) Margarine is in which phase  
A) Oil in water  
B) Water in oil  
C) Both A & B  
D) None
- 10) Fractional sterilization means  
A) Radiation  
B) Membrane filtration  
C) Incineration  
D) Tyndallization
- 11) Fruit cooked in simmering liquid is called as  
A) Pasteurization  
B) Canning  
C) Poaching  
D) Tyndallization
- 12) Albinism disorder observed in  
A) Strawberry  
B) Sapota  
C) Mango  
D) Banana
- 13) Pineapple variety suitable for canning  
A) Chip sona  
B) IR-5  
C) Kew  
D) Langra

- 14) Saffron is obtained from  
A) Root  
B) Seed  
C) Stigma from flower  
D) Leaf
- 15) In case of CAP and MAP, which of the gases are introduced, monitored or adjusted.  
A) O<sub>2</sub> and CO<sub>2</sub>  
B) O<sub>2</sub>, N<sub>2</sub> and CO<sub>2</sub>  
C) O<sub>2</sub> and N  
D) N<sub>2</sub> and CO<sub>2</sub>
- 16) Instant coffee is packed in flexible laminates of  
A) LDPE/Aluminium foil/PET  
B) Metalized PET  
C) PET/Aluminium foil/LDPE  
D) None
- 17) WVTR is expressed in  
A) Water vapour transient rate  
B) Water vapour total rate  
C) Water vapour transfer rate  
D) Water transfer vapour rate
- 18) “mR” enamel cans are used for  
A) Mild acidic food  
B) Low acidic food  
C) High acidic food  
D) Non acidic food
- 19) Lipolysis of fat is mostly observed during  
A) Deep fat frying  
B) Hydrogenation  
C) Fat bloom  
D) All
- 20) Excessive coagulation of contractile protein results in  
A) Tenderization of meat  
B) Coagulation of contractile  
C) Increase toughness  
D) None
- 21) Poor quality egg floats in the water due to  
A) Microbial spoilage  
B) Decrease air cell  
C) Increase air cell  
D) Air cell has no relation
- 22) A good substitute for gelatin obtained from fish is  
A) Fish silage  
B) Isinglass  
C) Fish caviar  
D) None







- 44) A research plan\_\_\_\_\_
- A) Should be detailed
  - B) Should be given to others for review and comments
  - C) Sets out the rationale for a research study
  - D) All of the above
- 45) According to your text, which of the following is not a source of research ideas?
- A) Everyday life
  - B) Past research
  - C) Practical issues
  - D) Theory
- 46) Which of the following is not a way to manipulate an independent variable?
- A) Presence technique
  - B) Type technique
  - C) Amount technique
  - D) Random technique
- 47) A cell is a combination of two or more\_\_\_ in a factorial design.
- A) Research designs
  - B) Dependent variables
  - C) Research measurements
  - D) Independent variables
- 48) As a general rule, researchers tend to use\_\_\_ percent confidence intervals.
- A) 99%
  - B) 50%
  - C) 95%
  - D) None of the above
- 49) Which of the following is characteristic of qualitative research?
- A) Generalization to the population
  - B) Unique case orientation
  - C) Random sampling
  - D) Standardized tests and measures
- 50) Which of the following is a characteristic of qualitative research?
- A) Design flexibility
  - B) Context sensitivity
  - C) Inductive analysis
  - D) All of the above



**Rough Work**