

Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New)
Examination, November -2018
COMMUNICATION & SOFT SKILLS (Paper - I)
Sub. Code : 57278

Day and Date : Saturday, 24 - 11 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.

Q1) Fill in the Blanks.

[10]

- a) _____ is the means by which people relate one another.
 - i) Communication
 - ii) Channel
 - iii) T.V.
 - iv) Radio
- b) The _____ begins the process of communication.
 - i) Sender
 - ii) Receiver
 - iii) Communicator
 - iv) None of these
- c) Information about the Receiver's response is called _____.
 - i) feedback
 - ii) Receiver
 - iii) Response
 - iv) None of these
- d) Process of translating the symbols into ideas is _____.
 - i) Encoding
 - ii) Decoding
 - iii) Coding
 - iv) Reading
- e) The language of any group directly reflects their
 - i) Culture
 - ii) Environment
 - iii) History
 - iv) All, (i), (ii), (iii)

P.T.O.

- f) _____ are our ideas of what is good.
- | | |
|-------------|-----------------|
| i) Language | ii) Culture |
| iii) Values | iv) Environment |
- g) _____ is the form of oral communication.
- | | |
|------------|-------------------------|
| i) Letter | ii) Telephone |
| iii) Email | iv) Messaging or mobile |
- h) _____ is the example of written communication.
- | | |
|-------------------|-------------------|
| i) Letter | ii) Telephone |
| iii) Face to face | iv) None of these |
- i) _____ Requires the computer.
- | | |
|---------------------------------|---------------------|
| i) Email | ii) Telephonic call |
| iii) Face to Face communication | iv) Speaking |
- j) Report are _____ form of communication.
- | | |
|-----------------|-------------------|
| i) Oral | ii) Written |
| iii) Telephonic | iv) None of these |

Q2) Answer the following (Any 2).

[20]

- Explain the barriers of communication?
- Explain the process of communication with neat diagram?
- Write a report to all heads of sections of new india company regarding staff punctuality & their attendance.

Q3) Solve the following (Any 4)

[20]

- Write a letter to your friend wishing her "Happy Diwali".
- Telephone.
- Internet communication.
- Reports.



Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New)
Examination, November - 2018
INTRODUCTION TO FOOD SCIENCE - I
Sub. Code : 57279

Day and Date : Monday, 26 - 11 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to right indicate full marks.
 - 3) Draw neat labelled diagrams wherever necessary.

Q1) Select the correct alternative from given choices.

[10]

- a) _____ is the principle protein of rice.
 - i) Oryzenin
 - ii) Gluten
 - iii) Oryza sativa
 - iv) Zein
- b) _____ foods have regulatory function in body.
 - i) Proteins
 - ii) Fats
 - iii) Vitamins & minerals
 - iv) Carbohydrates.
- c) _____ Oligosaccharide in pulses cause flatulence in human beings.
 - i) Sucralose
 - ii) Raffinose
 - iii) Ribose
 - iv) Lactulose
- d) Pulses gives _____ Kcal/100gm
 - i) 342 Kcal
 - ii) 345 Kcal
 - iii) 350 Kcal
 - iv) 340 Kcal
- e) Delicious fermented beverage prepared from cashewapple I called _____.
 - i) Toddy
 - ii) Neera
 - iii) Feni
 - iv) All of above

P.T.O.

- f) _____ fat is obtained by heating fatty tissues of hogs
 i) Tallow ii) Margarine
 iii) Lard iv) Butter
- g) _____ nut contains high amount of carbohydrate.
 i) Cashewnut ii) Pecan
 iii) Chestnut iv) Walnut
- h) BHA stands for -
 i) Butylated hydrogen anisole ii) Butylated hydroxy toluene
 iii) Butyl hydrogen anisole iv) Butylated hydrogen toluene
- i) _____ is principle wheat protein
 i) Glutenin ii) Gliadin
 iii) Globulin iv) Gluten
- j) Germ is separated from endosperm by _____.
 i) Bran ii) Aleurone layer
 iii) Scutellum iv) None of the above

Q2) Answer the following (Any 2) :

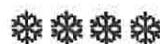
[20]

- Elaborate procedure & uses of products of groundnut.
- Describe functions of fats and oil in detail ?
- Draw neat labelled diagram of wheat and explain its structure.

Q3) Solve the following (Any 4)

[20]

- Comment on Ragi - a cereal .
- Give classification of nuts.
- Elaborate storage of cereals & Role of cereals in cookery.
- What are changes in fats during storage ?
- Elaborate role of fats in cookery.
- Comment on peanut butter.



Seat No.	
----------	--

BFTM (Part - I) (Semester - I) Examination, November-2018
PRINCIPLES OF FOOD PREPARATION AND
PRESERVATION - I
Sub. Code : 57280

Day and Date : Tuesday, 27- 11 - 2018

Total Marks :50

Time : 11.00 am to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw a neat labelled diagram whenever necessary.

Q1) Choose the correct alternative from following. [10]

- a) Method of transfer of heat by contact is _____.
 - i) Radiation
 - ii) Convection
 - iii) Conduction
 - iv) Microwave
- b) _____ is a dry heat method of cooking.
 - i) Steaming
 - ii) Stewing
 - iii) Toasting
 - iv) Poaching
- c) Milk is an example of _____ food.
 - i) Perishable
 - ii) Semi-perishable
 - iii) Non-perishable
 - iv) None
- d) _____ bacteria require low temperature for growth.
 - i) Thermophiles
 - ii) Mesophiles
 - iii) Psychrophiles
 - iv) None
- e) *Antamoeba histolytica* responsible for _____ contamination of food.
 - i) Rodent
 - ii) Insect
 - iii) Microbial
 - iv) Parasitic
- f) In LTLT pasteurization the food is heated to _____.
 - i) 62.8°C
 - ii) 71.7°C
 - iii) 74.0°C
 - iv) 60.2°C

P.T.O.

- g) _____ is an indirect method of freezing.
- | | |
|----------------------|-------------------|
| i) Air blast | ii) Fluidised bed |
| iii) Both (i) & (ii) | iv) None |
- h) _____ is a cryogenic refrigerant.
- | | |
|-------------|----------------------|
| i) Nitrogen | ii) CO ₂ |
| iii) Freon | iv) All of the above |
- i) _____ is the best temperature for growth of mos.
- | | |
|-----------|----------|
| i) 40°C | ii) 21°C |
| iii) 27°C | iv) 37°C |
- j) In boiling the temperature is _____.
- | | |
|------------|-----------|
| i) 90°C | ii) 80°C |
| iii) 100°C | iv) 110°C |

Q2) Answer the following (Any two)

[20]

- Classify cooking methods. Discuss methods of cooking by dry heat.
- Define low temperature preservation. Enlist its types & explain refrigeration.
- Explain spoilage of food by moisture & enzymes.

Q3) Solve the following (any four)

[20]

- Describe preliminary treatments given to food.
- Write a note on boiling.
- Elaborate pasteurization of unpackaged foods.
- Comment on contact / plate freezing.
- What are changes in food due to oxygen, light & time.
- Enlist principles of preservation in brief.



Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New) Examination, November- 2018

HUMAN PHYSIOLOGY - I

Sub. Code: 57281

Day and Date : Wednesday, 28 - 11 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw neat diagrams wherever needed.

Q1) Choose the correct answer from the given options.

[10]

- a) _____ controls the functions of cell.
 - i) Nucleus
 - ii) Mitochondria
 - iii) Golgi apparatus
 - iv) Endoplasmic reticulum
- b) The tissue covering the body and lining the cavities is _____.
 - i) Muscle tissue
 - ii) Epithelial tissue
 - iii) Nervous tissue
 - iv) Adipose tissue
- c) _____ is a clotting protein.
 - i) Plasmin
 - ii) Prothrombin
 - iii) Globulin
 - iv) Albumin
- d) Vital capacity is affected by _____.
 - i) Height
 - ii) Weight
 - iii) Position
 - iv) All above
- e) _____ is the waste product found in plasma.
 - i) Urea
 - ii) Uric acid
 - iii) Creatinine
 - iv) All above

P.T.O.

- f) Life Span of RBC is _____ days.
i) 90 ii) 120
iii) 60 iv) None
- g) _____ muscles are voluntary.
i) Striated muscles ii) Smooth muscles
iii) Cardiac muscles iv) All above
- h) The normal value of diastolic blood pressure is _____ mm of Hg
i) 100-140 ii) 60-90
iii) Both iv) None
- i) Deficiency of haemoglobin leads to _____.
i) Leukaemia ii) Polycythaemia
iii) Anaemia iv) All above
- j) _____ valve is present between right ventricle & lungs.
i) Pulmonary valve ii) Aortic valve
iii) Tricuspid valve iv) Bicuspid valve

Q2) Write answer the following. (any two)

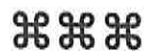
[20]

- Draw a neat diagram of cell and explain any two organelles present in it.
- Define blood pressure. Explain any one method of measuring it. Add a note on factors affecting blood pressure.
- Explain the mechanism of respiration.

Q3) Answer the following. (any four)

[20]

- State any five functions of blood.
- Write a note on Rh blood group system.
- Explain the structure of heart, with the help of diagram.
- Define IRV and ERV and give their normal values.
- Comment on the different cavities of body.
- Explain nerve cell, with the help of diagram.



Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New)
Examination, November - 2018
FOOD CHEMISTRY - I (Paper - I)
Sub. Code: 57282

Day and Date : Thursday, 29 - 11 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw a neat labelled diagram wherever necessary.

Q1) Choose correct alternative from given choices.

[10]

- a) _____ is a non-reducing sugar.
 - i) Maltose
 - ii) Lactose
 - iii) Sucrose
 - iv) Raffinose
- b) Vegetable oil melts around _____.
 - i) 49°C
 - ii) 59°C
 - iii) 79°C
 - iv) 39°C
- c) At _____ pH, the amino acids carries both the charges.
 - i) Acidic
 - ii) Basic
 - iii) Iso-electric
 - iv) None of above
- d) _____ vitamin is found in animal origin food.
 - i) Vitamin B₁₂
 - ii) Vitamin B₁
 - iii) Vitamin B₂
 - iv) Vitamin B₆
- e) Maltose is composed of _____ of glucose.
 - i) one molecule
 - ii) two molecules
 - iii) three molecules
 - iv) none of above
- f) _____ is used as a catalyst in the hydrogenation of oil.
 - i) Copper
 - ii) Nickel
 - iii) Iron
 - iv) Chromium
- g) The arrangement of protein by twisting of polypeptide chain is _____ structure.
 - i) Primary
 - ii) Secondary
 - iii) Tertiary
 - iv) Quaternary

P.T.O.

- h) _____ is natural antioxidant.
- i) Vitamin E ii) Vitamin C
- iii) Both (i) & (ii) iv) None of above
- i) Action of dry heat on starch is known as _____.
- i) Gelatinization ii) Retrogradation
- iii) Dextrinization iv) All of above
- j) Precursor of tocopherol is _____.
- i) Retinol ii) Tocol
- iii) Retenoic acid iv) All of above

Q2) Answer the following. (any two)

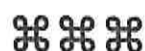
[20]

- Enlist physical properties of Lipid & explain it in brief.
- Explain vitamin B₁ & vitamin B₂ in detail.
- Give classification of amino acids with examples.

Q3) Solve the following. (any four)

[20]

- Comment on properties of starch.
- Comment on vitamin E.
- Write a note on properties of monosaccharides.
- Write sources, functions & deficiency of niacin.
- State oxidation of fats.
- Give classification of simple proteins.



Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New) Examination, November - 2018
FUNDAMENTALS OF FOOD MICROBIOLOGY (Paper - I)
Sub. Code : 57283

Day and Date : Friday, 30 - 11 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw a neat labelled diagram wherever necessary.

Q1) Choose the correct alternative from given choice :

[10]

- a) Study of algae is called as _____.
 - i) Virology
 - ii) Phycology
 - iii) Mycology
 - iv) Protozoology
- b) Bacilli are less varied in arrangement because they can divide in only _____.
 - i) one plane
 - ii) two plane
 - iii) three plane
 - iv) several plane
- c) Formation of living being from non-living material is known as _____.
 - i) Controversy of generation
 - ii) Non spontaneous generation
 - iii) Spontaneous generation
 - iv) Theory of generation
- d) In cell membrane of bacteria, phospholipids are present in _____.
 - i) 20-30%
 - ii) 60-70%
 - iii) 10-20%
 - iv) 40-90%
- e) Mesosome provides attachment sight for chromosomes & _____.
 - i) Nuclear material
 - ii) Cell membrane
 - iii) Plasmid
 - iv) Ribosome

P.T.O.

- f) The organisms which utilize radiant energy as a source of energy are known as _____.
- | | |
|-------------------|-----------------|
| i) Chemotrophs | ii) Autotrophs |
| iii) Heterotrophs | iv) Phototrophs |
- g) The shortest time required to kill microorganism in suspension at specific temperature is called as _____.
- | | |
|------------------------------|------------------------|
| i) thermal death temperature | ii) thermal death time |
| iii) both (i) & (ii) | iv) None of these |
- h) _____ invented streak plate technique.
- | | |
|--------------------|-----------------------|
| i) Louis Pasteur | ii) Robert Koch |
| iii) Joseph Lister | iv) Alexander Fleming |
- i) Size range of viruses is _____.
- | | |
|----------------|--------------|
| i) 20-30 nm | ii) 30-90 nm |
| iii) 20-300 nm | iv) 30-70 nm |
- j) In glycan backbone strand, N-acetyl amine & N-acetyl muramic acid are linked by _____.
- | | |
|---------------------------------------|---------------------------------------|
| i) α -1, 4 glycosidic linkage | ii) α -1, 6 glycosidic linkage |
| iii) β -1, 6 glycosidic linkage | iv) β -1, 4 glycosidic linkage |

Q2) Answer the following (any two):

[20]

- Explain structure, arrangement of Hayella with diagram.
- Explain sterilization by physical agents.
- Explain cell wall of gram negative bacteria with diagram.

Q3) Solve the following (any four):

[20]

- Comment on halogens as sterilization.
- Explain contribution of Louis Pasteure in microbiology.
- Explain difference between Prokaryotic & Eukaryotic cell.
- Explain structure & function of cell membrane of bacteria.
- Explain nutritional requirement of microorganism.
- Explain size & shape of bacteria.



Seat No.	
----------	--

B.F.T.M. (Part - I) (Semester - I) (New) Examination, December - 2018

INTRODUCTION TO COMPUTER - I (Paper - VIII)

Sub. Code : 57284

Day and Date : Saturday, 01 - 12 - 2018

Total Marks : 50

Time : 11.00 a.m. to 1.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks.
 - 3) Draw neat diagram wherever needed.

Q1) Select correct alternative and write sentence again.

[10]

- a) CPU stands for _____.
 - i) Control Process Unit
 - ii) Control Processing Unit
 - iii) Central Processing Unit
 - iv) None
- b) Decimal equivalent of 1011 is _____.
 - i) 11
 - ii) 12
 - iii) 14
 - iv) 3
- c) Computer understands _____ language.
 - i) Binary
 - ii) Decimal
 - iii) English
 - iv) Marathi
- d) GUI stands for _____.
 - i) Graphic User Interface
 - ii) Graphical User Interface
 - iii) Geographical User Interface
 - iv) None
- e) The physical devices of the computer is known as _____.
 - i) Hardware
 - ii) Software
 - iii) Firmware
 - iv) None

P.T.O.

- f) _____ is impact printer.
- | | |
|--------------------|------------------------|
| i) Inkjet Printer | ii) Dot Matrix Printer |
| iii) Laser Printer | iv) None |
- g) MS-Word is an example of _____.
- | | |
|--------------|--------------|
| i) Software | ii) Hardware |
| iii) Scanner | iv) System |
- h) _____ function keys available on the Keyboard.
- | | |
|---------|--------|
| i) 10 | ii) 11 |
| iii) 12 | iv) 8 |
- i) _____ device used in banking industry.
- | | |
|---------------------|----------|
| i) OCR | ii) OMR |
| iii) Barcode reader | iv) MICR |
- j) ROM stands for _____.
- | | |
|-----------------------|------------------------|
| i) Read Only Memory | ii) Random Open Memory |
| iii) Read Open Memory | iv) None |

Q2) Write answers in short (any 4)

[20]

- Write note on Keyboard and OMR.
- Explain the application of Computer.
- Explain concept of Hardware and Software.
- Explain Importance of CPU.
- What is Printer? Explain types of Printer.
- Explain RAM and ROM.

Q3) Write answers in detail (any 2)

[20]

- Explain in detail various generations of computers.
- Explain with diagram the Basic organisation of Computer System.
- Explain different data scanning devices.

