

Integrated B.Sc. – M.Sc. Clinical Nutrition and Dietetics (CND)
First Year Semester-I, January-2018 Examination

Time: 2.00 Hrs.

[Max. Marks: 50]

FUNCTIONAL HUMAN ANATOMY

Q.P Code: CND-114

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 6 = 12 Marks

1. Describe the extent, parts, relations and blood supply of gastrointestinal system.
2. Describe the structural and functional characteristics of skeletal muscle.

SHORT ESSAY

6X 4 = 24 Marks

3. Blood supply of a long bone.
4. Extraocular muscles of eyeball.
5. Types of neuroglia.
6. Internal features of right atrium.
7. Structure of lungs.
8. Nerve supply of tongue.

SHORT ANSWER

7 X 2 = 14 Marks

9. Types of mesoderm.
10. Parts of a nephron.
11. Coverings of spinal cord.
12. Derivatives of paramesonephric duct in females.
13. Bones forming nasal septum.
14. Name the parts of pancreas.
15. Mention types of ossification.

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NUTRITIONAL BIOCHEMISTRY

Q.P Code: CND-113

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 6 = 12 Marks

1. Define enzymes. Write about the factors affecting enzyme activity.
2. Write about the sources, dietary requirements, biochemical functions and deficiency manifestations of Vitamin C.

SHORT ESSAY

6X 4 = 24 Marks

3. Write in detail about the synthesis and utilization of ketone bodies.
4. Active transport.
5. Define isoenzymes. Write in detail about cardiac isoenzymes.
6. What are the different levels of structural organization of proteins? Mention the forces stabilizing them.
7. What are phospholipids? Mention their functions.
8. Oxidative phosphorylation.

SHORT ANSWER

7 X 2 = 14 Marks

9. Ketoacidosis.
10. Wilsons disease.
11. Pellagra.
12. Genetic code.
13. Name the Essential fatty acids. Add a note on its importance.
14. Hormones regulating blood sugar levels.
15. Functions of vitamin E and vitamin K.

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HUMAN PHYSIOLOGY-I

Q.P Code: CND-111

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 6 = 12 Marks

1. Explain the oxygen-hemoglobin dissociation curve, list the factors influencing it.
2. Define blood pressure and give its normal value. Explain long term mechanism of Blood pressure regulation.

SHORT ESSAY

6X 4 = 24 Marks

3. Explain the functions of liver.
4. Draw a neat labeled diagram of a juxta glomerular apparatus. List its functions.
5. Describe the stages of erythropoiesis.
6. Explain intrinsic mechanism of blood clotting.
7. List the differences between the first and second heart sounds.
8. Explain micturition reflex with a diagram depicting innervation of urinary bladder.

SHORT ANSWER

7 X 2 = 14 Marks

9. List four functions of Saliva.
10. Define Glomerular Filtration Rate (GFR)
11. Classify White Blood Cells (WBC).
12. Name two methods of artificial respiration.
13. Draw a labeled diagram of ECG.
14. Define vital capacity.
15. List the movements of small intestine.

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HUMAN PHYSIOLOGY-II

Q.P Code: CND-112

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 6 = 12 Marks

1. Describe the mechanism of transmission of impulse across Neuro muscular junction. Add a note on myasthenia gravis.
2. Describe the structure and functions of cerebellum. Add a note on effects of cerebellar lesion.

SHORT ESSAY

6X 4 = 24 Marks

3. Describe the functions of thyroxine.
4. Draw a neat labeled diagram of the visual pathway. Mention the photoreceptors.
5. Functions of Hypothalamus.
6. Composition and functions of CSF.
7. Describe the functions of Insulin.
8. Pupillary Light Reflex.

SHORT ANSWER

7 X 2 = 14 Marks

9. Rigor Mortis.
10. Features of Gigantism.
11. Tubectomy.
12. Name the primary taste sensations.
13. Hypermetropia.
14. Name four ascending tracts.
15. List the functions of basal ganglia.

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FOOD FACTS AND PRINCIPLES – I

Q.P Code: CND-115

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 6 = 12 Marks

1. Write a note on classification of pigments and factors affecting on any one pigment.
2. What are the physical and chemical properties of fats and oils. Write its nutritive value in shout.

SHORT ESSAY

6X 4 = 24 Marks

3. How is gluten formed? Explain the factors affecting gluten formation..
4. What are foams? List the factors affecting foam volume and stability.
5. What is enzymatic browning? List the different ways of prevention of enzymatic browning in fruits.
6. Write a note on nutritive value of cereals.
7. What are tropical and subtropical fruits and write the importance of fruits.
8. Write a note on post harvest changes in vegetables and factors affecting turgor.

SHORT ANSWER

7 X 2 = 14 Marks

9. Distinguish between retrogradation and syneresis.
10. Give biological importance of water.
11. Write the nutritive value of soya bean.
12. List the toxic constituents. Present in pulses.
13. Write a note on storage of cereals.
14. Define rancidity.
15. Give the classification of foods based on function.

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ENGLISH FOR COMMUNICATION

Q.P Code: CND-116

Your answers should be specific to the questions asked.

1. **The information which is transferred to the receiver has to be interpreted with the process called-----**
A) Encoding
B) Decoding
C) Closing
D) Opening.
2. **Pick out the objectives of communication-----**
A) To persuade
B) To solve the problem
C) To inform
D) All the above.
3. **What is Encoding-----**
A) The translation of message to understand
B) The formulation of message.
C) The reaction or response of the receiver.
E) None of the above.
4. **Which of the following is not included in 7 c's**
A) Clearness
B) Conciseness
C) Completeness
D) Happiness.
5. **Which of the following are the barriers to speaking-----**
A) Lack of planning
B) Wrong selection of words
C) Instruct and to explain
D) None of the above
A) A & B B) B & C
C) A & C D) D
6. **Impromptus speech means-----**
A) It is unprepared speech and speaker is required to speak according to situation.
B) The speaker writes memorise and deliver the speech.
C) The speech is prepared and is delivered with the help of written outline notecards and visual aids.
D) None of the above.
7. **Which of the following techniques are appropriate for communicating with less verbal client.**
A) Observation
B) Play Therapy
C) Activities
D) All the above.
8. **In an interview dress code is very important because-----**
A) This takes precedence over the way you answer the questions.
B) This reveals your level of confidence and the strength.
C) First impressions are the most important and they are mostly nonverbal.
D) None of the above.
9. **The introductory section of a research report should aim to-----**
A) Identify the specific focus of the study.
B) Grab the reader's attention.
C) A & B
D) None of the above.

10. When the students fear speaking in front of their classmates they suffer from-----
 A) Anxiety
 B) Stage fear
 C) Speech apprehension
 D) None of the above.
11. A technique called----- is used to help speakers imagine their own speech making success.
 A) Visualization
 B) Creativeness.
 C) Utilization
 D) None of the above.
12. A mode that discourages responding to audience feedback, requires practice and allows for ample eye contact, movement and gestures is the -----
 A) Extemporized speech
 B) Manuscript speech
 C) Memorized speech
 D) None of the above
13. Which of the following are the goals of communication-----
 A) To get and give information
 B) To persuade
 C) To get action
 D) All the above.
14. Pick out the tips to good communication-----
 A) Conveys ones thoughts clearly
 B) Maintain eye contact with the audience
 C) Gestures and expressions
 D) All the above.
15. ‘A patient and a doctor are discussing a treatment’. This example comes under which communication.
 A) Intrapersonal communication
 B) Interpersonal communication
 C) Group communication
 D) None of the above.
16. Pick out the don'ts in a public speaking-----
 A) Claim your attention
 B) Don't make things which are not sure about.
 C) Know your audience.
 D) Do not hurt people feelings.
 A) A & C B) B & D
 C) B & C D) C & D
17. ‘Pick and speak’ falls under which speech-----
 A) Impromptu speech
 B) Speech of introduction
 C) Theme speech.
 D) None of the above.
18. The primary reason for conducting Appraisal interview is-----
 A) To monitor employees performance.
 B) Motivate staff
 C) Improve company morale.
 D) All the above.
19. In an interview the following question “ Tell me how you have come to decide to Leave” falls under which interview-----
 A) Appraisal interview.
 B) Exit interview
 C) Discipline interview
 D) None of the above.
20. The complimentary close used in Business letters is -----
 A) Yours Affectionately
 B) Yours sincerely
 C) Yours faithfully
 D) None of the above.
21. ‘Send off speech’ falls under the following-----
 A) Occasional speech
 B) Informative speech
 C) Persuasive speech
 D) None of the above.
22. Looking quickly over a book to get a superficial idea of the content is called as-----
 A) Intensive reading
 B) Extensive reading
 C) Skimming
 D) Scanning
23. The first model of communication is said to have developed by-----
 A) Plato
 B) Aristotle
 C) Ptolemy
 D) Steiner
24. Reading comprehension means understanding a----- Text.
 A) Oral

- B) Written
C) Audio
D) None of the above.
- 25. Effective paraphrasing avoids the risk of-----**
A) Changing
B) Copying
C) Plagiarism
D) None of the above.
- 26. Which of the following is not the purpose of reading-----**
A) SQ3R
B) Scanning
C) Skimming
D) Fast reading.
- 27. Documentation is-----**
A) A system of records
B) Only written on paper
C) Only electronic
D) None of the above.
- 28. What is a Monologue?**
A) It is a speech that expresses the thoughts or feelings of one character.
B) It's a gift to the audience to look up on that stage and see inside thoughts of a human being.
C) A & B
D) None of the above.
- 29. What is a Group discussion?**
A) It is a modern method of assessing student's personality.
B) It is a process where exchange of ideas and opinions.
C) Both A & B
D) None of the above.
- 30. What are the benefits of Group discussion-----**
A) Stimulation of thinking in a new way.
B) Expansion of knowledge.
C) Leadership skills.
D) All the above.
- 31. What is tested in a Group discussion?**
A) Ability to work in a team.
B) Leadership skills
C) Communication Skills.
D) All the above.
- 32. Which of the following are involved while preparing for an interview-----**
A) Research the company.
B) Check yourself in a full length mirror before attending an interview.
C) Rehearse for your interview.
D) All the above.
- 33. What are the main reasons of Mis-communication -----**
A) Lack of clarity.
B) Cultural differences.
C) Lack of active listening
D) All the above.
- 34. How can you avoid miscommunication-----**
A) Think before you speak.
B) Listen to the speaker carefully,
C) Clarity in speech
D) All the above.
- 35. The following example "A Train or Air plane schedule falls under-----**
A) Skimming
B) Scanning
C) Extensive Reading
D) Intensive Reading
- 36. Which of the following are the strategies to improve reading skills-----**
A) Make the author your companion
B) Reading other sources if the reading is confusing
C) Build your vocabulary
D) All the above.
- 37. Which of the following things you have to remember while writing a report-----**
A) Focus on key results
B) Be clear and concise
C) Let your pictures do the talking.
D) All the above.
- 38. "A Vice-chancellor asks about the number of candidates appearing at a Particular examination" The above example falls under which category of report?**
A) Interpretative report
B) Informative report
C) Statutory report
D) None of the above.

39. The letter which we write to our close relatives, friends, and parents is called-----
 A) Personal letter
 B) Business letter
 C) Formal letter
 D) None of the above.
40. What is the purpose of writing Business letters ----

 A) Provide information regarding business activities.
 B) Establish good relationship.
 C) Solve misunderstandings.
 D) All the above.
41. When answering interview questions it is important to-----
 A) Be specific
 B) Be general
 C) Stretch the facts to look good
 D) None of the above.
42. As soon as interview is over you should-----
 A) Go home and take rest
 B) Replay each question and answer in your mind
 C) Send an immediate thank you note.
 D) None of the above.
43. ----- serves as the essence. Bottom line or final outcome of any reading act.
 A) Schemata
 B) Comprehension
 C) Gist
 D) None of the above.
44. Television and video clips are electronic form of -----

 A) Telecommunication
 B) Visual communication
 C) Communication
 D) None of the above
45. Letters, emails, video presentations, visual aids, public speaking are the examples of-----
 A) Channel mediums
 B) Written communication
 C) Oral communication.
 D) None of the above.
46. Pick out the features of communication-----
 A) Two way process
 B) Information sharing and understanding
 C) Verbal and nonverbal communication
 D) All the above.
47. What is upward communication?
 A) Communication that flows from lower level to a higher level in an organization
 B) Communication that flows from a higher level to a lower level in an organization.
 C) Communication that takes place at same levels of hierarchy.
 D) None of the above.
48. Which of the following are the types of internal communication-----
 A) Staff/Team meetings
 B) Staff to staff news letters
 C) Voice mails.
 D) All the above.
49. Oral communication takes place through-----
 A) Face to face
 B) Telephone
 C) Teleconferencing
 D) All the above.
50. Pick out the Don'ts in an interview-----
 A) Get too personal
 B) Be straight forward
 C) Talk too much
 D) Relax
 A) A & C
 B) B & C
 C) A & D
 D) A & B