

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

August 2023 Semester End Make-Up Examinations**Programme: B.E.****Branch: All Branches****Course Code: 22MA1AESFH****Course: Scientific Foundation of Health****Semester: I****Duration: 1 hr.****Max Marks: 50****Date: 17.08.2023**

- Instructions:** 1. Answer all questions from Part A & B.
2. Answer any three questions in Part C.

Part A**Multiple choice questions****25 X 1 = 25 marks**

1. Which one of the following is not a bacterial disease?
 - a. AIDS
 - b. Dengue
 - c. Measles
 - d. All of the above.
2. "-----brings out the real you in your relationship"
 - a. Poor communication
 - b. Miscommunication
 - c. Effective communication
 - d. All of these
3. Naveen has been vaccinated against the major childhood disorders of measles, influenza, hepatitis, diphtheria, and tetanus by his mother. This is a major example of
 - a. social determinant
 - b. social engineering
 - c. social process
 - d. None of these
4. David is an excellent orator among his peer group? Choose the ways of communication that made him an excellent orator?
 - a. Spoken words
 - b. Body language
 - c. Voice modulation
 - d. All of the above
5. Which of the following food components give energy to our body?
 - a. Proteins
 - b. Vitamins
 - c. Minerals
 - d. Carbohydrates

6. Which of the following diseases have been associated with sedentary lifestyle?
- Colon cancer
 - Stroke
 - Cardiovascular disease
 - all of these.
7. The term used for regular and excessive use of a substance in spite of dangers is
- Abuse
 - Addiction
 - Dependence
 - Tolerance
8. Which of the following factors is necessary for a healthy person?
- Vaccination
 - Balanced diet
 - Personal hygiene
 - All of the above
9. Which of the following health communication style makes use of the patient's knowledge and experience?
- doctor-centred communication
 - patient-centred communication
 - practitioner-centred communication
 - none of these
10. Obesity is caused by an increase in _____.
- apiposity
 - epidosity
 - ediposity
 - adiposity
11. Thepolicy of effective compromise strengthens good relationship between any two people.
- Face or forget
 - Give and take
 - Give and forget
 - None of the above
12. Roshan finds a wallet containing Rs.30,000/-. He uses the name on the driver's license and the phone book to call the owner so that he can return the wallet. Which is the trait of Good character expressed here?
- Respect
 - Caring
 - Trustworthiness
 - Fairness
13. In _____, blood glucose homeostasis ceases to function because the beta cells of the pancreatic islets are destroyed.
- type 1 diabetes mellitus
 - type 2 diabetes mellitus
 - gestational diabetes
 - both type 2 diabetes mellitus and gestational diabetes

14. Preparation + = Perfection; is the bottom line of public speaking, fill in the blank correctly:

- a. Practice
- b. Memorization
- c. Promotion
- d. Thinking

15. The stimulant present in tea, cocoa and cola drinks is

- a. caffeine
- b. astringent
- c. tannin
- d. cocaine

16. Drug which induces dreamy state of consciousness is

- a. stimulant
- b. sedative
- c. hallucinogen
- d. depressant

17. Immunity is termed as

- a. Process of production of RBC
- b. Raise in temperature
- c. Body resistance to invading organism
- d. Process of production of hormones

18. Which is the Vector for Malaria

- a. Drosophila
- b. House fly
- c. Culex mosquito
- d. Female Anopheles mosquito

19. This is not a communicable disease

- a. Chickenpox
- b. AIDS
- c. Typhoid
- d. Diabetes

20. Deepa's skit rehearsal runs late in the night. She calls her parents to let them know she is going to be late by 2 hours. This is an apt example for

- a. Responsibility
- b. Caring
- c. Citizenship
- d. Understanding

21. Under social engineering, both smoking and alcohol consumption are legally restricted to:

- a. Certain age groups
- b. Particular family
- c. Particular situations
- d. Both A & C

22. HIV is a retrovirus that infects and colonizes cells in the _____.
 a. immune system
 b. immune system and the central nervous system
 c. endocrine system
 d. immune system and endocrine system
23. Akshatha, a 46 year old lady is characterised by poor CNS coordination, forgetfulness and tremor of hands. Identify the disease she is suffering from
 a. Epilepsy
 b. Alzheimer's disease
 c. Schizophrenia
 d. Migraine
24. A pathogen is
 a. A Pattern of illness in population
 b. Any agent such as micro-organism that causes a disease
 c. Healing forces of nature
 d. A disease
25. The process of communication has four important stages. Identify the correct sequence of it
 a. Sender-Medium-Receiver-Response
 b. Medium- Sender-Receiver-Response
 c. Receiver -Sender-Medium- Response
 d. None of the above

PART B

Match the following

5x2=10

1. Communication process involves

- | | |
|--------------|---|
| i. Sender | A. language |
| ii. Medium | B. One who wants to convey his thoughts |
| iii. Barrier | C. Target audience |
| iv. Receiver | D. email. |

2. Psychological disorders

- | | |
|---------------------------------|----------------------------|
| i. neurodevelopmental disorders | A. Mania |
| ii. Bipolar and Related | B. Panic Disorder |
| iii. Anxiety Disorders | C. Narcolepsy |
| iv. Sleep Disorders | D. Intellectual Disability |

3. Match nutrients with source.

- | | |
|---------------------------|-------------------|
| i. Protein | A. Wheat |
| ii. Carbohydrate | B. Fish |
| iii. Fat | C. nuts and seeds |
| iv. Vitamins and minerals | D. Cheese |

4. Chronic illness

- | | |
|----------------------------|---------------------------------|
| i. Diabetes | A. uncontrolled cell division |
| ii. Cancer | B. unable to filter blood |
| iii. Stroke | C. high glucose levels in blood |
| iv. Chronic kidney disease | D. blockage of arteries. |

5. Diseases and organisms

- | | |
|---------------|-------------|
| i. Measles | A. parasite |
| ii. Typhoid | B. fungus |
| iii. ringworm | C. bacteria |
| iv Malaria | D. virus |

Part C

Answer in detail any 3 questions

5X3 =15 Marks

1. Raj is determined to maintain good health and needs help to take nutritional food. what are the nutritional guidelines for good health.
2. Darshan is addicted to drugs and his family wants him to come out of addiction and lead a healthy life. To help him explain different types of treatments to treat addictions.
3. Sunil is suffering from Coronary artery disease. Explain how health status is measured relating to Sunil's case.
4. What is social engineering? Explain with examples.
5. Define health. Explain briefly about Physical and Mental health.
