



First/Second Semester B.E./B.Tech./B.Design Degree Examination,  
June/July 2025

### Scientific Foundations of Health

Max. Marks: 50

#### INSTRUCTIONS TO THE CANDIDATES

1. Answer all the **fifty** questions, each question carries one mark.
  2. Use only **Black ball point pen** for writing / darkening the circles.
  3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
  4. Darkening two circles for the same question makes the answer invalid.
  5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.
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1. The following is an example of chronic disease:
 

a) Diabetes	b) Cold
c) Cough	d) Headache
  2. The disease Ebola is caused by
 

a) Bacteria	b) Virus
c) Fungi	d) Larger parasites
  3. Health compromising behaviours are commonly seen in \_\_\_\_\_ class of people
 

a) High	b) Middle
c) Low	d) None of these
  4. Which among the following are examples of pathogen?
 

a) Bacteria	b) Fungi
c) Virus	d) All of these
  5. Which of the following health communication style makes use of the patients knowledge and experience?
 

a) Doctor-centered communication	b) Patient-centered communication
c) Practitioner-centered communication	d) None of these
  6. Health has intimacy with \_\_\_\_\_
 

a) Behaviour	b) Society
c) Personality	d) All of these

7. \_\_\_\_\_ is a standard indicators of life
  - a) Social belonging
  - b) Religious beliefs
  - c) Safety
  - d) All of these
8. Trans-cutaneous electrical simulation therapies are used in treatment of
  - a) Stress
  - b) Muscles
  - c) Pain management
  - d) Sleep
9. The Committee on the Rights of Child (CRC), published guidelines on the rights of children and adolescents in the year
  - a) 2015
  - b) 2013
  - c) 2010
  - d) 1999
10. Factors influencing health are
  - a) Social inclusion
  - b) Social exclusion
  - c) Both (a) and (b)
  - d) None of these
11. Which of the following is NOT a characteristic of addition?
  - a) Negative Consequences
  - b) Loss of control
  - c) Habitual behavior
  - d) Denial
12. Which of the following statement is true?
  - a) Addiction leads to physical disorder which in turn leads to mental disorder.
  - b) Addiction affects physical health
  - c) Addiction affects mental health
  - d) All of these
13. A major effect and health hazard from substance addiction is :
  - a) Loss of control
  - b) Injury
  - c) Cardiovascular disease
  - d) Fetal Damage
14. Excessive use of any drug (legal or illegal) constitutes
  - a) Drug abuse
  - b) Drug addiction
  - c) Drug misuse
  - d) Drug tolerance
15. \_\_\_\_\_ is an example of substance addiction.
  - a) Shopping
  - b) Video games
  - c) Tobacco
  - d) Using the internet
16. Depression, anxiety and loneliness are the effects of :
  - a) Substance addiction
  - b) Behavioral addiction
  - c) Both (a) and (b)
  - d) None of these
17. The purpose of using drugs is :
  - a) To detoxify the body
  - b) To feel high pleasure, relieve stress, forget problems
  - c) To boost physical health
  - d) All of these

30. Which of the following is a behavioural addiction?
  - a) Nicotine
  - b) Alcohol
  - c) Drugs
  - d) Gambling
31. Being inactive form of lifestyle is called as
  - a) Sedentary lifestyle
  - b) Spirited lifestyle
  - c) Busy lifestyle
  - d) Lively
32. Which year did the world health organization first express the right to health as a fundamental human right?
  - a) 1946
  - b) 1952
  - c) 1987
  - d) 2000
33. Which among these considered as positive stress?
  - a) Acute stress
  - b) Chronic stress
  - c) Episodic stress
  - d) Eustress.
34. Which of the following factors is necessary for a healthy person?
  - a) Vaccination
  - b) Balanced diet
  - c) Personal Hygiene
  - d) All of these
35. Emotional health brings an ability in individuals to
  - a) React to the situation
  - b) Respond to the situation
  - c) Withdraw from the situation
  - d) None of these
36. Which of the following food items provides dietary fibre?
  - a) Pulses
  - b) Wholegrain
  - c) Fruits and vegetables
  - d) All of these
37. Which one of the following is not a bacterial disease?
  - a) AIDS
  - b) Dengue
  - c) Measles
  - d) All of these
38. In \_\_\_\_\_, blood glucose homeostatis ceases to function because the beta cells of the pancreatic islets are destroyed.
  - a) Type 1 diabetes mellitus
  - b) Type 2 diabetes mellitus
  - c) Gestational diabetes
  - d) None of these
39. Spiritual wellness involves:
  - a) Developing compassion, caring and forgiving
  - b) Peace of mind, happiness and mercy
  - c) Human values, honesty and self-realization
  - d) All of these
40. Who proposed the biopsychosocial model?
  - a) Freud
  - b) Sontag
  - c) Engel
  - d) None of these

18. Cognitive Behavioural Therapy (CBT) helps the addicted patients to overcome:  
a) Substance abuse  
b) Substance disorder  
c) Craving  
d) All of these
19. Transdermal drug administration means that a drug is absorbed  
a) Through the skin  
b) Through Alveoli  
c) Through stomach lining  
d) Through intestinal walls
20. The psychoactive drug mescaline is obtained from which plant?  
a) Peyote cactus  
b) Marijuana  
c) Mushrooms  
d) Poppy
21. An increased intake of energy foods that are high in fat and sugar leads to  
a) Cancer  
b) Obesity and overweight  
c) Brain haemorrhage  
d) Visual disability
22. Anorexia nervosa, Bulimia nervosa, and Binge eaters belong to :  
a) Eating disorders  
b) Breathing disorders  
c) Sleeping disorders  
d) All of these
23. How many minutes should an average person walk a day?  
a) 30 minutes  
b) 40 minutes  
c) 20 minutes  
d) 45 minutes
24. Which of the following is a Non-Communicable-Disease (NCD)?  
a) Stroke  
b) Cold  
c) Cough  
d) Fever
25. The person suffering from Pica disorder craves to eat:  
a) Ice  
b) Apple  
c) Grains  
d) Egg
26. The recommended level of salt intake is  
a) 9-12g/day  
b) 5g/day  
c) less than 5g per day  
d) All of these
27. BMI stands for  
a) Body Material Index  
b) Body Mental Index  
c) Body Mass Index  
d) Body Moving Index
28. Bariatric surgery is a treatment for  
a) Gut disorder  
b) Overweight  
c) Legs  
d) Sleeplessness
29. Aerobics is classified as  
a) Vigorous – Intensity physical activity  
b) Moderate physical activity  
c) Moderate intensity physical activity  
d) All of these