



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF REHABILITATION MEDICINE
BACHELOR OF SCIENCE IN PHYSIOTHERAPY

END OF TRIMESTER EXAMINATIONS JANUARY TO APRIL 2025

UNIT CODE: PHT 432

UNIT NAME: OCCUPATIONAL HEALTH

DATE: 9th APRIL 2025

TIME: 9am-11am

INSTRUCTIONS

1. All students will have two (2) hours to complete the examination
2. This is an online exam, Attempt all questions as per the instruction
3. It is the student's responsibility to report any page and number missing in this paper.
4. Check that the paper is complete
5. Total number of pages is 6 including the cover.
6. Read through the paper quickly before you start.
7. Upon finishing the exam paper, on submission, the message 'Your examination has been submitted' will appear.

TOTAL: _____/70

PERCENT: _____/100%

POINTS EARNED TOWARDS FINAL GRADE _____/70

SECTION A. MULTIPLE CHOICED QUESTION. ANSWER ALL QUESTION

1. The chimney sweepers Act was published in the year

- a) 1700
- b) 1788
- c) 1743
- d) 1810

2. The father of industrial medicine is?

- a) Agricola
- b) Galen
- c) Ramazzini
- d) Ellenborg

3. The factories and other work place Act was amended in which year?

- a) 2007
- b) 1950
- c) 1990
- d) 1988

4. The following are conditions which occur in extremely low temperatures except

- a) Cramps
- b) Frostbite
- c) Immersion foot
- d) Trench foot

5. Non-Ionizing radiation can be used in the following ways except in?

- a) X-rays
- b) Microwave radiation
- c) Radio waves
- d) Infra red radiation

6. Effects of chemical Hazards in the body depends on the following except?

- a) Irritation
- b) Concentration
- c) Resistance of the individual
- d) Health Status

7. Occupational safety is mostly concerned with the following solvents except?

- a) Naphtha
- b) Mineral spirits
- c) Alcohol
- d) Aliphatics
- e) None of the above

8. Biological agents can gain access into the human body in all the following ways except one

- a) Physical stress
- b) Injection
- c) Inhalation
- d) Ingestion

9. The primary prevention of contamination of food include all except one?

- a) No skin lesion to the workers
- b) Refrigeration
- c) Staff rotation
- d) Adequate cooking

10. Which one of the following is not a factor contributing to increase in biological hazards in healthcare?

- a) Agriculture
- b) Handling of food products
- c) Steady rise in high-risk diseases
- d) Inadequate sanitation

11. All of the following are effects of non-Ergonomic work environments except

- a) Carpal tunnel syndrome
- b) Back injuries
- c) Tonsilitis
- d) Muscle strain

12. Reduction of occupational stresses depends not only on helping individuals to cope with their problems but also include the listed benefits/outcomes except

- a) Good management

- b) Improved vocational guidance
- c) Arrangement of working hours
- d) Staff pay rise

13. The following are listed body parts commonly affected by injuries except which one?

- a) Nose
- b) Arms
- c) Fingers
- d) Eyes

14. The common time of injury is between

- a) 11 am to 12 Noon
- b) 8am to 10am
- c) 7am to 9am
- d) Any time

15. The lowest injury rates occur on

- a) Monday
- b) Tuesday and Wednesday
- c) Thursday and Friday
- d) Any day

SECTION B: SHORT STRUCTURED QUESTION (20 Marks)

1. List four basic elements of the work environment (4 Marks)
2. List four effects of extremely high temperatures (4 Marks)
3. List three examples of particle ionising radiation (3 Marks)
4. Differentiate between Acute and Chronic radiation exposure giving example (3 Marks)
5. Outline three general classes of occupational noise (3 Marks)
6. Explain beat hand condition (3 Marks)

SECTION C: LONG ESSAY QUESTION (20 Marks)

1. Describe engineering controls for the chemical hazards (10 Marks)
2. Discuss five vulnerable groups in OSH (10 Marks)

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