



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(HEALTH SERVICE MANAGEMENT) AND BACHELOR OF SCIENCE
(ENVIRONMENTAL HEALTH)

HEH 304: OCCUPATIONAL HEALTH AND SAFETY

DATE: Wednesday, 17th May 2017

TIME: 11.00 a.m. - 1.00 p.m.

INSTRUCTIONS:

ANSWER ALL QUESTIONS IN SECTION A

ANSWER QUESTION 2 AND ANY OTHER TWO QUESTIONS IN SECTION B

SECTION A

1. a) Define the following terms as used in Occupational health and Safety. (4 Marks)
 - i) Flash point
 - ii) Risk
 - iii) Audiometric test
 - iv) Fire drill
- b) State **four** functions of National Council of Occupational Safety and Health as prescribed by Section 27(1) of the Occupational Safety and Health Act, 2007, Laws of Kenya. (4 Marks)
- c) Distinguish between Risk Assessment and Job Safety Analysis. (4 Marks)
- d) "Fire is an ever present risk at home, at work, on holiday and while traveling by land, sea and air". State **four** consequences of fire. (4 Marks)
- e) Distinguish between an "Accident" and a "Near Miss". (4 Marks)

SECTION B

- Answer Question 2 and any other TWO questions
 - Question 2 carries 20 Marks, the other questions carry 15 Marks each
2. Records in the Ministry of Labour, Social Security and Services in Kenya indicate that the construction industry recorded the highest number of accidents in the year 2016. Discuss key precautionary measures that should be put in place to prevent accidents to children who may be tempted to gain access to construction sites. (20 Marks)
 3. The Occupational Safety and Health Act, 2007 (OSHA, 2007) provides for duties and responsibilities to different players in the workplace. Discuss any five duties of an occupier as prescribed by section 6 of OSHA, 2007. (15 Marks)
 4. Personal Protective Equipment (PPE) is usually considered as a last resort in control of workplace hazards. Discuss. (15 Marks)
 5. Mr. Maina, a Civil Engineering contractor has been awarded a contract to overhaul a storage system of a petrol station along Mombasa Road. The work entails replacement of underground tanks in phases such that the station does not close shop completely in order to keep loyal customers.
 - a) Describe any five hazards that Mr. Maina will encounter in the course of his work. (10 Marks)
 - b) Advise Mr. Maina on control measures he should put in place in order to reduce safety and health risks in the workplace. (5 Marks)
 6. State and describe any **Five** occupational hazards that might be encountered by a gardener employed by a local authority parks department. Briefly describe one control measure for each hazard stated above. (15 Marks)