THE SUPERIOR COLLEGE, LAHORE
3ᵉᵈ PROFESSIONAL MBBS
Annual EXAMINATION 2017
COMMUNITY MEDICINE
(SEQ'S)

Roll No. 16122
Total Marks: 75
Time Allowed: 2 hours

### Instructions

- Attempt all questions
- All question carry equal marks
- The SEQ's part is to be submitted within 2 hours. Extra time will not be given
- Neat Hand writing use of margin and marker for headlines will increase the _____ of your paper.
- Do not write your name or disclose your identity in anyway.

**Q-No: 1** In an epidemiology study 1/3ʳᵈ of the 90 subjects with myopia had positive family history of disease while 10 of the 100 subjects without myopia also had positive family history of the disease.
a) Which study best fits this type of scenario?
b) Construct 2x2 contingency table and calculate measure of risk.
c) Interpret your result.

**Q-No: 2** A mother reported to you with her two years old child with the complaint that her son walks with difficulty. On examination, knock knees, pot belly, curving of legs were noted.
a) What is your most likely diagnosis and the factor responsible?
b) Enlist three measures to combat this problem.

**Q-No: 3** In pathology laboratory of PINUM Hospital Faisalabad, radioactive material is being used in Radio immune-assay Procedures. What hazards a worker of this laboratory is exposed to?

**Q-No: 4** Discuss the determinants of health.

**Q-No: 5** In a study to determine the failure rate of condom as contraceptive. 30 couples were observed for 3 years, 40 for 2 years, 10 for 1.5 year and 30 couples for 6 months. During observation period conception took place in 20 couples.
a) Name "denominator" to be used to calculate the failure rate.
b) Calculate failure rate of condom as contraceptive.

**Q-No: 6** School children inspection revealed that most of the students were having decaying teeth. On water analysis fluoride level was found to be 0.2 mg/lit.
a) Name the problem in children.
b) What measures you feel necessary to overcome this problem?
c) Name what mode of prevention it will be?

**Q-No: 7** A 5th class student of a school was seen by a school health medical officer with fever, coryza, cough, conjunctivitis and maculo-papular rash behind the ears on the face.
a) What is the probable diagnosis?
b) What measures will you recommend for his classmates and the child himself?

*Communicable disease*

Q.No: 8 A child presents with [unclear] ...ion of the... and flaccid paralysis of right leg ... **(b) O**

 * What is the likely diagnosis? **Poliomyelitis**
 2. What is the criteria for a communicable disease to be eradicated?

*Environmental Health*

Q.No: 9 The 21st century has been declared as "century of noise". Noise is resulting many effects on health. Suggest measures to control this menace. 2,3

*Research*

Q.No: 10 Research is an integral part of curriculum for third professional MBBS exam. Research [unclear] ... is defined as [unclear] observation/measurements & interpretation ...

 * Define research in scientific terms.
 2. Which criteria is used for selection of a research topic or priority area points **IDEAL FACTE**
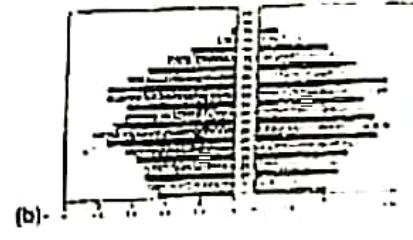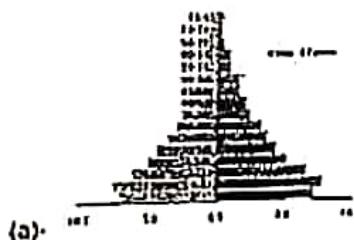
*Demography*

Q.No: 11

 a) Identify the two diagrams
 b) Briefly explain the differences between these two



(a).            (b). 

Q.No: 12 The risk of serious pneumococcal disease remains high throughout the ... 24 months of life in children and is associated with high mortality. Vaccination during infancy can prevent substantial mortality and morbidity due to pneumococcal diseases.

 a) How should pneumococcal conjugate vaccine be used in the EPI?
 b) What are the contraindications to pneumococcal conjugate vaccine

*Stats*

Q.No: 13

 a) What is normal distribution curve?
 b) In thirteen families surveyed the number of the children per family were as follows. 5

4,6,2,2,4,3,2,1,4,6,8,2 and 7. Calculate the mean, median and mode from this data

Q-No: 14 Incidence of ischemic heart diseases is increasing. What are the modifiable causes blamed to be responsible for it. What health education strategy can be prepared to change the life style for lowering the incidence of ischemic heart disease.(IHD).

Q-No: 15 Define primary health care. What are the reasons for choosing the primary health care for the health improvement of people of Pakistan?