

## P46/HSC222/EE/20160519

Time : 3 Hours

Marks : 80

---

### Instructions :

1. All Questions are Compulsory.
  2. Each Sub-question carry 5 marks.
  3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
  4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
- 

1. Solve any **four** sub-questions.
  - a) Steps of conduction of cohort study 5
  - b) Attributable risk and relative risk 5
  - c) Guidelines for judging casualty in epidemiology 5
  - d) Uses of epidemiology. 5
  - e) Difference between screening test and diagnostic test. 5
  
2. Solve any **four** sub-questions.
  - a) Criteria for screening 5
  - b) Steps of investigations of epidemic 5
  - c) Blinding in clinical trial 5
  - d) Define incubation period. Enumerate factors affecting incubation period. Mention the application of incubation. 5
  - e) Define surveillance. Write various data collecting procedures (approach to surveillance). 5

3. Solve any **four** sub-questions.
- a) Measures of locations (Quantiles). 5
  - b) Sampling errors in research. 5
  - c) Steps in calculating standard deviation. 5
  - d) Types of sampling technique. 5
  - e) Steps for testing the hypothesis. 5
4. Solve any **four** sub-questions.
- a) Application of standard deviation. 5
  - b) Difference between case fatality rate and crude death rate . 5
  - c) Phases of clinical trail. 5
  - d) Principles of prevention and control of epidemic disease. 5
  - e) Steps of estimating direct standardization. 5

