

APRIL 2001

[KD 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/+P DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What are the occupational hazards of farmers?
Describe the biomedical effect of ionizing radiations.
What are the preventive measures adopted by workers
in the Radiology Department? (25)
 2. Describe the role of water sanitation in the
prevention and control of water borne diseases. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Child guidance
 - (b) Weaning
 - (c) Statistical Averages
 - (d) Incineration
 - (e) Vital layer.
-

NOVEMBER 2001

[KE 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP, DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the various medical measures for the prevention of occupational diseases. (25)
 2. Discuss the objectives and essential services package under Reproductive and Child Health Programme. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Population explosion in India
 - (b) Hospital waste disposal
 - (c) Co-efficient of variation
 - (d) Warning signs in pregnancy
 - (e) Indicators of Air Pollution.
-

MARCH 2002

[KG 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/+ P DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the health problems arising out of Industrialisation. (25)
 2. Mention the indicators of maternal and child health care. What are the causes of perinatal mortality in our country? Suggest the preventive and social measures to reduce the same. (25)
 3. Write briefly on : (5 × 10 =50)
 - (a) Sampling methods.
 - (b) Causes of higher fertility in India.
 - (c) Water quality standards.
 - (d) Accidents in Industry.
 - (e) Juvenile delinquency.
-

SEPTEMBER 2002

[KH 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

Paper I — STATISTICS OCCUPATIONAL HEALTH
MCH/FP DEMOGRAPHY PUBLIC HEALTH
ENGINEERING

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the plan of operation for achieving zero-cases of Poliomyelitis in India. (25)
 2. Describe the hazards of hospital waste. Write in detail about hospital wastes generation, proper methods of collection and their safe disposal. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Contribution of Louis Pasteur to public health
 - (b) Influence of age at marriage on population growth
 - (c) Hazards among radiology dept. workers.
 - (d) Standardised death rate
 - (e) Septic Tank mechanism and its use.
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APRIL 2003

[KI 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is 'Risk Approach' in MCH care? Write in detail the 'Risk Approach' in antenatal women and children. (25)
 2. What is pneumoconiosis? What measures do you suggest for the prevention of the problem in our country? (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Infant mortality
 - (b) Disability adjusted life years (DALY)
 - (c) Latrines for rural areas
 - (d) Sullage disposal
 - (e) Proportional mortality rate.
-

OCTOBER 2003

[KJ 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

**M.C.Q. must be answered SEPARATELY on the
Answer Sheet provided as per the instructions on the
first page of M.C.Q. Booklet.**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write Essay :

(2 × 15 = 30)

**1. Discuss in detail the Nutritional assessment of a
community. How do you plan an Health education
campaign in a Community where there is high
Prevalence of Low Birth Weight among New born
children.** (15)

**2. Write the various sampling techniques. Write in
detail the steps in 'WHO cluster sampling method' to
evaluate vaccination coverage.** (15)

3. Short notes on : (10 × 5 = 50)

- (1) Fertility related statistics.**
- (2) Food Toxicants.**
- (3) Sanitation Barrier.**
- (4) Health Problems due to industrialization.**
- (5) Occupational Cancers.**
- (6) Conventional Contraceptives.**
- (7) Demographic trends in India.**
- (8) Indices of Thermal Comfort.**
- (9) Tests of Significance.**
- (10) Biological standards of Drinking Water.**

AUGUST 2004

[KL 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

Part II

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP DEMOGRAPHY AND PUBLIC
HEALTH ENGINEERING**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and

Theory : 80 marks

forty minutes

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

**(1) Discuss in detail the components, sources
and uses of Health Information Systems. (15)**

**(2) Discuss various indicators used in the
Measurement of Fertility. What are social factors
related to high fertility? (15)**

II. Write short notes on :

(10 × 5 = 50)

(a) Pneumoconiosis.

(b) Air Pollution.

(c) Oxidation pond.

(d) Sickness-Absenteeism.

(e) Child Guidance Clinic.

(f) Ecology of Mal Nutrition.

(g) Standard Error.

(h) Indicators of MCH care.

(i) Role of Trace elements in Nutrition.

(j) Correlation – Regression Co-efficients.

FEBRUARY 2005

[KM 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

(New Regulations)

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP, DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) What are the objectives of the reproductive and child health programme? Enumerate the strategies for its implementation in India. How would you evaluate this programme in a given district?

(2) Discuss with examples the effect of rapid industrialization on the environment in India. What measures could be taken by industries to prevent pollution of water sources?

II. Short notes on : (10 × 5 = 50).

- (a) Noise induced hearing loss
- (b) Census - 2001 salient features
- (c) Mother crafts clinics
- (d) Disaster management cell-roles and responsibilities
- (e) Characteristics of a "Normal Curve"
- (f) Computers in management information system (MIS)
- (g) Nutritional rehabilitation
- (h) Standardised death rate and its importance
- (i) Methods of sullage disposal in rural areas
- (j) Role of diet in Cardio-vascular diseases.

MARCH 2006

[KO 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

**Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP, DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) What is sanitation barrier? Classify and give a brief description of the various methods of excreta disposal. Add a note on the social aspects of excreta disposal in India.

(2) Discuss the indicators of MCH (Maternal and Child Health) care with respect to India and Tamilnadu. Add a note on their current levels and their goals and targets.

II. Short notes on :

(10 × 5 = 50)

- (a) Registration of vital events
- (b) Statistical charts and diagrams
- (c) Medical benefit under ESI (Employees State Insurance) Act, 1948
- (d) Sickness absenteeism
- (e) Growth chart
- (f) Congenital malformations
- (g) National population policy 2000
- (h) Evaluation of family planning
- (i) Effects of heat stress
- (j) Secondary treatment of sewage.

MARCH 2007

[KQ 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

Paper I — STATISTICS, OCCUPATIONAL HEALTH,
MCH/FP, DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING

Common to

(Candidates admitted from 1993-94 onwards

and

Candidates admitted from 2004-05 onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :

1. Discuss the various social security measures that
are available to the working population in India. (20)

2. Mention different types of wastes and their
hygienic disposal methods. Comment on health hazards
due to improper disposal. (15)

3. Define perinatal mortality rate. Discuss in detail
the causes of perinatal mortality in India and prepare a
plan of action for reducing the same. (15)

II. Short notes : (6 × 5 = 30)

- (a) Surveillance of drinking water quality
- (b) Indoor air pollution
- (c) Demographic cycle.
- (d) Indicators of fertility.
- (e) Uses of growth chart.
- (f) Standard normal curve.

MARCH 2008

[KS 1535]

Sub. Code : 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

Paper I — STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING

Common to all regulations

Q.P.Code : 343047

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essays : (2 × 20 = 40)

(1) What is meant by Housing Standards? What are the effects of POOR HOUSING CONDITIONS? (20)

(2) What are the health problems due to Industrialization? What causes accidents in industry and how can they be prevented? (20)

II. Short notes : (10 × 6 = 60)

(1) Pregnancy and contraception among ADOLESCENTS.

(2) Occupational cancers.

(3) Types of ventilation.

(4) Demographic trends in India.

(5) Measures for health protection of women and child workers.

(6) Measures of dispersion

(7) Excreta disposal in Rural Areas.

(8) Prevention of Infant Mortality in India.

(9) Rights of a child.

(10) Health problems of the Aged.

September 2008

[KT 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

**Paper I – STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH
ENGINEERING
(Common to all candidates)**

Q.P. Code : 343047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. a) Enumerate the nutritional problems and write the extent of these problems in India.
b) Describe briefly epidemiology and control of protein energy malnutrition among pre school children.
2. Describe how do you plan and organize the mother and child health services in a town where high maternal deaths are reported. Enumerate the measures to reduce the maternal deaths.

II. Write short notes on :

(10 X 6 = 60)

1. Methods of infectious waste disposal in a primary health center.
 2. Water sampling.
 3. Control of acute Diarrhoeal diseases.
 4. Radiation hazards.
 5. Co-relation and regression in medical statistics.
 6. Public health problems in developed countries.
 7. Mechanical transmission of disease.
 8. 'Socio economic health indicators.
 9. Prevention of accidents in industries.
 10. Recent methods in family planning.
-

MARCH -2009

[KU 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION.

**Paper I – STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

(Common to all candidates)

Q.P. Code : 343047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Define sampling. List and describe the types of sampling used in epidemiologic studies, with one example of each type.
2. Define maternal mortality. List and describe the causes of maternal mortality in India. Describe measures adopted by the Government to reduce maternal mortality in India.

II. Write short notes on : (10 X 6 = 60)

1. Normal distribution.
2. Demographic cycle.
3. Engineering measures to enhance occupational safety.
4. Employees State Insurance Act.
5. Spacing methods in family planning.
6. Demographic determinants of health.
7. Standard deviation and its application in public health.
8. Census.
9. Occupational hazards of agricultural workers.
10. Industrial accidents.

March 2010

[KW 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH EXAMINATION
STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING

(Common to all candidates)

Q.P. Code : 343047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions :

(2 x 20 = 40)

1. Describe the causes of handicap in children. Suggest the approaches to prevention of such handicapping conditions.
2. Describe the health hazards and disposal technologies for healthcare waste.

II. Write short notes on :

(10 x 6 = 60)

1. Normal curve.
2. Medical measures for prevention of occupational diseases.
3. Asbestosis.
4. Activated sludge process.
5. Indicators of housing.
6. Classification of protein energy malnutrition.
7. National socio-demographic goals by 2010.
8. Health problems of the aged.
9. Horrock's test.
10. Effects of atmospheric pressure on health.

September 2010

[KX 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (D.P.H.) EXAMINATION.

**Paper I - STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

(Common to all candidates)

Q.P. Code : 343047

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss the Role of Environmental degradation on health. Suggest remedial measures.
2. What are the different types of sampling techniques? Explain with suitable examples.

II. Write short notes on :

(10 X 6 = 60)

1. Water Harvesting.
2. Mother craft clinics.
3. Population surveys as a source of Health information.
4. Benefits under E.S.I.
5. Universal precautions.
6. Insecticide resistance.
7. Violence against women.
8. Hazards due to noise pollution.
9. No scalpel vasectomy.
10. Nutritional surveillance in tribal areas.

APRIL 2011

[KY 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code : 343047

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss about the various measures for the prevention of Occupational diseases.	11	35	15
2. Enumerate the various Fertility related indicators. Discuss about the factors influencing the Fertility rates.	11	35	15

II. Write notes on :

1. Swimming pool sanitation.	4	10	7
2. Housing standards.	4	10	7
3. Bar charts.	4	10	7
4. Define correlation and regression.	4	10	7
5. Lead poisoning.	4	10	7
6. Septic tank.	4	10	7
7. Post coital contraception.	4	10	7
8. Elements of IMNCI case management process.	4	10	7
9. Child trafficking.	4	10	7
10. Essential obstetric care.	4	10	7

April 2012

[LA 1535]

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code : 343047

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss the various causes of Maternal Mortality Rate and Preventive measures for the same.	16	35	15
2. Discuss the causes and Preventive measures for Air Pollution in India	16	35	15

II. Write notes on :

1. Discuss the various stages of Demographic Cycle in detail with examples.	4	10	7
2. Mechanism of Action of Soakage Pit.	4	10	7
3. Discuss the Occupational hazards of agricultural workers with preventive measures.	4	10	7
4. Measures of Dispersion in Statistics.	4	10	7
5. Explain the role of PHC Medical officer in School Health Services.	4	10	7
6. Discuss the Medical Benefits of ESI Act in detail.	4	10	7
7. Explain in detail about the Minilap Operation.	4	10	7
8. Discuss about Mentally handicapped children and their Rehabilitation.	4	10	7
9. Explain Break point Chlorination and Super Chlorination in detail. Give examples.	4	10	7
10. Describe Verbal autopsy. Write about the uses of Verbal autopsy.	4	10	7

[LB 1535]

OCTOBER 2012

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (D.P.H) EXAMINATION
STATISTICS, OCCUPATIONAL HEALTH, MCH/FP , DEMOGRAPHY AND PUBLIC
HEALTH ENGINEERING
Q.P. Code: 343047

Time: 3 hours
(180 Min)

Maximum: 100 marks

ANSWER ALL QUESTIONS IN THE SAME ORDER.

I. Elaborate on:

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss the various Engineering measures available for control of Occupational diseases .	16	35	15
2. What measures would you take to reverse the adverse sex ratio in a given district .	16	35	15

II. Write Notes on:

1. Population Pyramid and its use for health Service planning	4	10	7
2. Under fives Clinic	4	10	7
3. Client centered Approach in Family Planning	4	10	7
4. Normal Curve and Normal Distribution	4	10	7
5. Cluster Sampling	4	10	7
6. Post Natal Care for ensuring Safe Motherhood	4	10	7
7. Health Care of Adolescent girls	4	10	7
8. First Referral Unit for ensuring Safe Motherhood	4	10	7
9. Assessing and managing children "At Risk" using growth Charts	4	10	7
10. Standards for Rural Housing	4	10	7

(LC 1535)

APRIL 2013

Sub. Code: 3047

**DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION
STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING
Q.P. Code : 343047**

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss how you will evaluate the family planning activities of a PHC.
2. List the laws applicable to industrial workers in India. Write in detail about the scope and provisions of the Factories act.

II. Write notes on:

(10X7=70)

1. What is standard error? Explain its use in tests of Significance.
2. Give an appropriate plan for Potable water supply to a village with 5000 population.
3. Minimum standards for slaughter house under Model Public Health act of India.
4. Discuss the role of Vasectomy in Family planning in India.
5. Explain the causes and control of Child Mortality in India.
6. Explain why and how institutional deliveries are promoted under RCH Programme.
7. Causes, prevention and control of Accidents in industry.
8. Give details of MTP Act.
9. Explain the socio-economic problems of the elderly and the Government's efforts to reduce them.
10. Causes and prevention of Radiation hazards in industry.

(LD 1535)

OCTOBER 2013

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code : 343047

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe the epidemiology of measles and mention the control measures.
2. Describe the occupational hazards of health care workers. List the prevention strategies.

II. Write notes on:

(10X7=70)

1. Sex ratio in India.
2. Initiatives for Promotion of breast feeding.
3. Chi square test.
4. Silicosis.
5. Disinfection of well.
6. Methods of disposal of sewerage in unsewered area.
7. Genetic counseling.
8. Prevention of dental caries.
9. Histogram.
10. Infant mortality in India.

[LE 1535]

APRIL 2014

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code :343047

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the causes of maternal mortality rate in India.
Mention the strategies for preventing maternal deaths.
2. Describe the epidemiology of Dengue and write the preventive measure.

II. Write notes on:

(10X7=70)

1. Maternal death audit.
2. Vitamin A deficiency in children.
3. Sources of air pollution.
4. High risk infants.
5. Prevention of industrial accidents.
6. Ergonomics.
7. Net reproduction rate.
8. Management of refuse.
9. Test of significance.
10. Biomedical waste management guidelines in India.

[LG 1535]

APRIL 2015

Sub. Code: 3047

**DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION
STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code : 343047

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Describe the epidemiology of pneumoconiosis and list out the preventive and control measures.
2. Describe the fertility related indicators.
List the interventions to reduce population growth.

II. Write notes on:

(10 x 7 = 70)

1. Measures of central tendency.
2. Cluster sampling.
3. Pearl Index.
4. Important sources of demographic data in India.
5. Essential newborn care.
6. Occupational cancers.
7. Determinants of low birth weight.
8. Growth charts.
9. Orthotolidine test.
10. Soakage pit.

[LH 1535]

OCTOBER 2015

Sub. Code: 3047

**DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION
STATISTICS, OCCUPATIONAL HEALTH, MCH/FP, DEMOGRAPHY
AND PUBLIC HEALTH ENGINEERING**

Q.P. Code : 343047

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail how growth monitoring is done through public health care system in India?
2. Discuss in detail the reasons for high infant mortality rate in India and list the strategies to prevent it.

II. Write notes on:

(10 x 7 = 70)

1. Sampling techniques.
2. Population pyramid.
3. Emergency contraception.
4. Components of IMNCI.
5. Sickness absenteeism.
6. Prevention of mother to child transmission of HIV infection.
7. Nonparametric tests.
8. Total fertility rate.
9. Prevention of radiation hazards.
10. Purification of water at household.

[LI 1535]

APRIL 2016

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code :343047

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss how surveillance and provision of clean water supply is done?
2. Write an essay on Hazards of radiation for the worker and the general public.

II. Write notes on:

(10 x 7 = 70)

1. Chi square test.
2. Importance and methods for computing Standardised Mortality Rates.
3. Health hazards of construction laborers on contract.
4. Schemes offered for welfare of women during pregnancy and thereafter.
5. Infrastructure required for providing Emergency Obstetric care.
6. Insufficient breast milk is the problem of a mother of a 2 month old baby. Discuss your management strategy.
7. Euthenics and Eugenics with examples.
8. Social security measures for the elderly available in the state.
9. Recent trends and challenges in use of hormonal contraceptives.
10. Discuss demographic transition, epidemiologic transition and health transition.

[LJ 1535]

OCTOBER 2016

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code :343047

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the impact of Air pollution and the sectors involved in monitoring and surveillance of air quality.
2. Write an essay on Engineering and Medical measures of occupational health and safety.

II. Write notes on:

(10 x 7 = 70)

1. Explain type I and Type II errors in research with an example. How can we minimize them?
2. Salient features of Birth and Death Registration Act 2000.
3. Control of “Offensive Trades”.
4. Discuss importance of ‘near miss’ maternal deaths.
5. Infrastructure required for providing Essential Obstetric care.
6. Management, as per IMNCI guidelines, of a six months old infant with 4 day fever and cough.
7. Services provided by the health sector for the “differently abled” child.
8. Current demographic profile of villages and its impact on health.
9. Discuss reasons for low male participation (2%) in contraceptive use.
10. Compare and contrast “General fertility Rate” and “Total Fertility Rate” and discuss their usefulness.

[LK 1535]

MAY 2017

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code :343047

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe in detail the various factors responsible for high prevalence 'unmet need for contraception' in India.
2. Describe in detail the various methods of treatment of sewage.

II. Write notes on:

(10 x 7 = 70)

1. Describe normal distribution.
2. Random sampling technique.
3. Demographic cycle.
4. Child survival index.
5. Occupational hazards in agricultural industry.
6. Baby friendly hospital initiative.
7. Indicators of MCH care.
8. Dependency ratio.
9. Prevention and control of noise pollution.
10. Factors affecting fertility.

[LM 1535]

MAY 2018

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code :343047

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about Low Birth Weight. Explain the management and preventive measures of it.
2. Explain various fertility related statistics. Discuss about current fertility trends in India and give your comment.

II. Write notes on:

(10 x 7 = 70)

1. Housing Standards.
2. Methods of measuring Air Temperature. Add note on Global Warming.
3. Lead poisoning.
4. Industrialisation and health problems.
5. MR vaccination.
6. Nutritional Deficiency Anemia.
7. Concepts of Standard Error and its applications.
8. No scalpal vasectomy. Discuss the reasons for less popularity of this method among public.
9. 2011 census.
10. Old age homes.

[LO 1535]

MAY 2019

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code: 343047

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the methods and importance of biomedical waste management.
2. Discuss the organizational structure of ESI. Explain the benefits rendered by ESI Act in detail.

II. Write notes on:

(10 x 7 = 70)

1. Graphical methods of data presentation.
2. Discuss the components of a Death Certificate.
3. Measures of wellbeing at work place as per Factories Act.
4. Standard normal curve.
5. Emergency transport system in Tamilnadu - its success and limitation.
6. Importance and standard guidelines regarding weaning.
7. Discuss adolescence as a rose with thorns regarding health.
8. Strategy to handle rising health care costs in old age.
9. Rehabilitation of Juvenile delinquents.
10. Tests of significance.

[LP 1535]

OCTOBER 2019

Sub. Code: 3047

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

**STATISTICS, OCCUPATIONAL HEALTH, MCH/FP,
DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING**

Q.P. Code: 343047

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the factors influencing perinatal mortality rate? What are the national programmes in India to reduce perinatal mortality rate? Comment on the strengths and weaknesses of these programmes.
2. Explain the high risk approach in antenatal care. Discuss the essential obstetric care provided in India.

II. Write notes on:

(10 x 7 = 70)

1. Vitamin D deficiency in children and adults.
2. Noise pollution - control measures and regulations.
3. Receiver operating characteristics curve.
4. MTP Act.
5. Horrock's test and its applications in public health.
6. CHI square test.
7. Soakage Pit.
8. Adolescent Nutrition.
9. Pneumoconiosis.
10. Sex Ratio.
