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.

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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.

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[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.

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[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.

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[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   Theory :   80 marks
            forty minutes
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.

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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   Theory : 80 marks
     forty minutes

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 Cordio-vascular diseases.

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[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 excrete 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.

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[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   Theory :   80 marks
               forty minutes

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.

2   **[KQ 1535]**

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 : $(2 \times 20 = 40)$

   (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 : $(10 \times 6 = 60)$

   (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.

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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.

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[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.

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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.

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[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 again women.

8. Hazards due to noise pollution.

9. No scalpel vasectomy.

10. Nutritional surveillance in tribal areas.

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[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   **Maximum : 100 marks**
(180 Min)

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 :

	Pages (Max.)	Time (Max.)	Marks (Max.)
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

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April 2012

DIPLOMA IN PUBLIC HEALTH (DPH) EXAMINATION

STATISTICS, OCCUPATIONAL HEALTH, MCH/FP, DEMOGRAPHY AND PUBLIC HEALTH ENGINEERING
Q.P. Code : 343047

Time : 3 hours   **Maximum : 100 marks**
        (180 Min)

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

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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   **Maximum: 100 marks**
   (180 Min)

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

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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.

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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.

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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.

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