



Library



RAN-3703

3rd M.B.B.S. Part - I Examination

January - 2023

**Community Medicine (Paper - I)
(Old Course)**

ಸೂಚನೆ : / Instructions

ನೀಚೆ ದೃಶ್ಯವಿಲ ಢಿಶಾನಿವಾಳಿ ವಿಗತೆ ಉತ್ತರವಲಿ ಪರ ಅವಶ್ಯ ಲಪವಿ.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **3rd M.B.B.S. Part - I**

Name of the Subject :

☛ **Community Medicine (Paper - I) (Old Course)**

Subject Code No.: **3 7 0 3**

Seat No.:

--	--	--	--	--	--

Student's Signature

SECTION - I

1. **Answer in one or two sentences.** **10**
- Differentiate disease and sickness.
 - Differentiate disease eradication and disease elimination.
 - Mention two uses of prevalence.
 - Mention two uses of screening.
 - What is quarantine?
 - Mention two methods for presentation of qualitative data.
 - Define unmet need of family planning.
 - What is triage during disaster management?
 - Presence of which bacteria is a evidence of recent fecal pollution of water?
 - Which is the level of care for community health center?

2. **Long question** - Describe steps of outbreak investigation. **10**

3. **Short answers (2X5)** **10**

- a) Community Diagnosis
- b) Define "Urban area"
- c) Mention four indications of MTP.
- d) Safe and wholesome water
- e) Methods for personal protection of mosquitoes

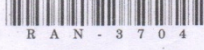
SECTION-II

4. **Short notes (5 X 3)** **15**

- a) Enlist elements of primary health care
- b) Describe briefly programme evaluation and review technique.
- c) Principles of chlorination
- d) Uses of epidemiology
- e) Health hazards of biomedical waste

5. **Short notes (5 X 3)** **15**

- a) Explain Health promotion as a mode of intervention.
- b) Health hazard of poor housing
- c) Open vial policy
- d) Pearl index
- e) Classify carriers with one example.



RAN-3704



3rd M.B.B.S. Part - I Examination

January - 2023

Community Medicine (Paper-II)

(Old Course)

[Total Marks: 60

सूचना : / Instructions

नीचे दशावलि निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd M.B.B.S. Part - I

Name of the Subject :

Community Medicine (Paper-II) (Old Course)

Subject Code No.: 3 7 0 4

Seat No.:

--	--	--	--	--	--

Student's Signature

- (2) All the Questions are Compulsory
- (3) Answer to the point
- (4) Figures on the right side indicates Maximum Marks
- (5) Answers to each section **must** be written in **Separate** answer books.

SECTION I

Q.1 Write precise answer in ONE/TWO sentence/s
(Total 10 questions each of 1 mark)

10

- (a) Write down the strain recommended by WHO for production of BCG vaccine.
- (b) Write down the Incubation Period of Mumps.
- (c) Write down the disease transmitted by Housefly.
- (d) Define slide Positivity Rate and give formula for calculation of Slide Positivity Rate.
- (e) Write down the definition of Perinatal Mortality Rate and current Perinatal Mortality Rate in India as per census 2021
- (f) Write down the objective of ergonomics.
- (g) Write down the name of disease due to Vitamin C deficiency and its characteristic.

RAN-3704]

[1]

[P.T.O.]

- (h) Define the Balance Diet.
- (i) What is meaning of Household?
- (j) Write down the function of NITI Aayog

Q.2 Write in detail about epidemiology and prevention and control of Hepatitis A **10**

Q.3 Write Very short questions on following (Each carries 2 marks) **10**

- (a) What do you mean by isolation and quarantine and its role in prevention of Covid -19?
- (b) Write down the content of Pentavalent vaccine and how and when should it be given?
- (c) What is meaning of “communication”. List out barrier in communication process.
- (d) What is Endemic Fluorosis? Write intervention for prevention of Endemic Fluorosis.
- (e) Characteristics of mentally healthy person

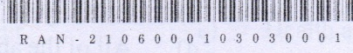
SECTION II

Q.4 Short notes 5 (each carries 3 marks) **15**

- (a) Epidemiological factors responsible for epidemics of Dengue in urban area of Surat.
- (b) Write down the epidemiological determinants in Rabies.
- (c) Define maternal mortality ratio (MMR) .write down the determinants of Maternal Mortality in India
- (d) Write down the communication process with its main component in details.
- (e) Write down the Role of WHO in covid-19

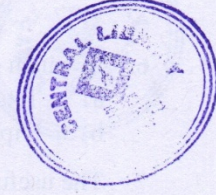
Q.5 Five Short questions (each carries 3 marks) **15**

- (a) Define family. Write different types of family. Advantages and disadvantages of all types of family in 1-2 statements only.
- (b) Write down the sources of iron, function and its deficiency and prevention of iron deficiency anemia
- (c) Write down the problems of old age person.
- (d) Write about characteristics of Turner's syndrome and role of Genetic Counselling as health promotional measure in genetic disease prevention.
- (e) Write about role of preplacement examination in prevention of occupational disease.



RAN - 2106000103030001

RAN-2106000103030001



3rd year M.B.B.S. Part - I Examination January - 2023

Community Medicine - Paper I

(New Course)

[Total Marks: 100

સૂચના : / Instructions

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd year M.B.B.S. Part - I

Name of the Subject :

Community Medicine - Paper I (New Course)

Subject Code No.: 2106000103030001

Seat No.:

--	--	--	--	--	--

Student's Signature

SECTION -I (20 marks)

1. Multiple choice questions

20

- Living standard of people is best assessed by
 - Infant Mortality rate
 - Maternal mortality
 - Physical quality of life index
 - Death rate
- Natural history of disease is best suited by
 - Cross sectional study
 - Randomized controlled trial
 - Case control study
 - Cohort study
- Attack rate is
 - Incidence of the disease
 - Prevalence of the disease
 - Killing power of the disease
 - Incubation period of the disease
- What is the odds ratio for the following?
 - ab/cd
 - ad/bc
 - ac/bd
 - bc/ad
- Man is the dead end for
 - Tetanus, Measles
 - Measles, yellow fever
 - Tetanus, yellow fever
 - Rabies, tetanus

RAN-2106000103030001]

[1]

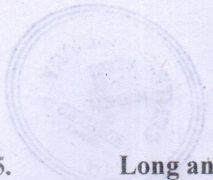
[P.T.O.] P2004



18. A sub-centre is manned by
- a) Medical officer c) Health assistant
b) Multipurpose worker d) Aanganwadi worker
19. Principal unit of administration in India is
- a) Centre c) District
b) State d) Village
20. PHC was introduced as result of report
- a) Bhore committee c) Mudaliar committee
b) Kartar Singh committee d) Shrivastav committee

SECTION - II (40 marks)

2. **Long answer question (any 1 out of 2)** 10
- a. Define randomization. Describe in detail steps of Randomized Controlled Trial.
- b. Define descriptive epidemiology. Describe procedures in descriptive epidemiology.
3. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** 10
- a. Bias
- b. Blocked flea
- c. Biomedical waste management
4. **Write short answers in one or two sentences (10) (each carries 2 mark)** 20
- a. Define sewage
- b. Define false negative
- c. Monitoring
- d. Define mean
- e. Endemic
- f. Zoonotic
- g. Walk in cooler
- h. Incubation period
- i. Growth rate
- j. Pearl Index



SECTION - III (40 marks)

5. **Long answer question (any 1 out of 2)** 10
- a. Describe National Tuberculosis Elimination Program in detail
 - b. Define planning cycle. Describe its steps in detail.
6. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** 10
- a. Census
 - b. Chi square test
 - c. Triage
7. **Write short notes on following (5 short notes of 4 marks each) (any 5 out of 6)** 20
- a. Effects of air pollution. Prevention & control of air pollution.
 - b. Indications & contra indications for intrauterine contraceptive device insertion
 - c. Septic Tank
 - d. Difference between case control study and cohort study
 - e. Chlorination of water
 - f. Demographic cycle



RAN - 2106000103030002

RAN-2106000103030002**3rd year M.B.B.S. Part - I Examination January - 2023****Community Medicine - Paper II (New Course)****[Total Marks: 100****સૂચના : / Instructions**

- (1) નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd year M.B.B.S. Part - I

Name of the Subject :

Community Medicine - Paper II (New Course)

Subject Code No.: 2106000103030002

Seat No.:

Student's Signature

SECTION -1 (20 marks)**1. Multiple choice questions****20**

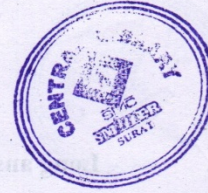
1. Emporiatrics deals with the health of
 - a) Farmers
 - b) Travellers
 - c) Industrial workers
 - d) Mine workers
2. Lead poisoning in industries commonly occurs by
 - a) Inhalation
 - b) Ingestion
 - c) Skin absorption
 - d) Conjunctival route
3. Sickness absenteeism is a useful index to assess
 - a) Working environment
 - b) Sincerity of the workers
 - c) Worker management relationship
 - d) State of health of the workers
4. Hardy Weinberg law is related to
 - a) Gene therapy
 - b) Human genome project
 - c) Population genetics
 - d) Eugenics
5. Which one of the following is not a socio-pathological factor associated with mental illness?
 - a) Emotional stress
 - b) Frustration
 - c) Endocrine diseases
 - d) Anxiety
6. MCH care is assessed by
 - a) Death rate
 - b) Birth rate
 - c) Maternal mortality rate
 - d) Anemia in pregnancy

RAN-2106000103030002]

[1]

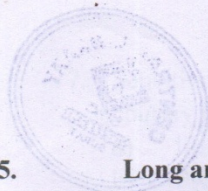
[P.T.O.] P2006

19. True about citrate in ORS
- a) Increases shelf life
 - b) Nutritious
 - c) Cheaper
 - d) Tastier
20. Which virus is used to produce rabies vaccine?
- a) Wild
 - b) Street
 - c) Fixed
 - d) Live Attenuated



SECTION - II (40 marks)

2. **Long answer question (any 1 out of 2)** **10**
- a. Write in detail about The Employees State Insurance Act, 1948
 - b. Write epidemiology, prevention and control measures of Measles in detail.
3. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** **10**
- d. Nutrition surveillance
 - e. Eugenics
 - f. Antenatal care
4. **Write short answers in one or two sentences (10) (each carries 2 mark)** **20**
- a. Define food adulteration
 - b. Society
 - c. Name of first generation sexually transmitted diseases
 - d. Define drug dependence
 - e. Sources of Iron
 - f. Cut-off points for the diagnosis of anemia
 - g. Net protein utilization
 - h. Milk pasteurization
 - i. Balanced diet
 - j. Low birth weight



SECTION - III (40 marks)

5. **Long answer question (any 1 out of 2)** 10
- a. Define maternal mortality rate. Describe its causes, prevention & control measures in detail.
 - b. Define social problem. Describe in detail various social problems in India.
6. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** 10
- d. Functions of World Health Organization
 - e. UNICEF
 - f. Pneumoconiosis
7. **Write short notes on following (5 short notes of 4 marks each) (any 5 out of 6)** 20
- a. Write preventive and control measures for diabetes in India
 - b. Recrudescence and relapse in malaria
 - c. Warning signs of cancer. Briefly describe risk factors of breast cancer
 - d. Rule of halves
 - e. Acculturation
 - f. Turner's syndrome



RAN - 2206000103030103

RAN-2206000103030103

T. Y. MBBS (Part - I) Examination April - 2023

Community Medicine : Paper - I (New Course)

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T. Y. MBBS (Part - I)

Name of the Subject :

Community Medicine : Paper - I (New Course)

Subject Code No.: 2206000103030103

Seat No.:

--	--	--	--	--	--

Student's Signature

SECTION - 1 (MCQ 20 MARKS)

Q. 1. Multiple Choice Questions. (each carry 1 mark)

20 Marks

- James Lind is known for
 - Germ theory of disease
 - Multifactorial causation of disease
 - Prevention of scurvy by citrus fruits
 - Web of causation
- Breast Feeding Week is celebrated on?
 - 1st week of March
 - 1st week of July
 - 1st week of August
 - 1st December
- Who is regarded as Father of Public Health?
 - Louis Pasteur
 - Cholera
 - John snow
 - Robert Koch
- Human Development Index (HDI) does not include:
 - Mean years of schooling
 - Life expectancy at age 1
 - Real GDP per capita
 - Adult literacy rate

RAN-2206000103030103]

[1]

[P.T.O.]

P1889

5. Most universally accepted indicator of health status of whole population and their socio-economic conditions among the following is:
- (a) MMR (b) IMR
(c) Life expectancy (d) Disease notification rates
6. When a child 'lost' his hands and unable to do routine works called as:
- (a) Handicap (b) Disability
(c) Impairment (d) Battered baby syndrome
7. Missing cases are detected by
- (a) Active surveillance (b) Passive surveillance
(c) Sentinel surveillance (d) Monitoring
8. Incidence can be calculated in:
- (a) Case-control study (b) Prospective study
(c) Retrospective study (d) Cross-sectional study
9. Screening of the diseases is which type of prevention?
- (a) Primordial (b) Primary
(c) Secondary (d) Tertiary
10. The diagnostic power of a test to correctly exclude the disease is reflected by:
- (a) Sensitivity (b) Specificity
(c) Positive predictivity (d) Negative predictivity
11. Respiratory rate can be diagnosed as fast breathing in a less than 2-month-old infant, if respiratory rate / minute is more than:
- (a) 29 (b) 39
(c) 49 (d) 59
12. BCG is:
- (a) Live attenuated vaccine (b) Killed vaccine
(c) Toxoid (d) Immunosuppressant agent
13. The freshly prepared ORS (Oral Rehydration Solution) should not be used after:
- (a) 6 hours (b) 12 hours
(c) 18 hours (d) 24 hours

14. Yellow fever vaccination starts protection after how many days of injection:
- (a) 5 days (b) 10 days
(c) 15 days (d) 20 days
15. Most common cause of blindness due to easily preventable cause in children:
- (a) Diabetes (b) Trachoma
(c) Vit. A deficiency (d) Cataract
16. India belongs to which demographic trends:
- (a) High stationary (b) Low stationary
(c) Early expanding (d) Late expanding
17. Minipills contain:
- (a) Only progesterone in small quantity
(b) Progesterone and estrogen
(c) Estrogen in small quantity and progesterone in large
(d) Estrogen
18. Under ICDS, caloric supplement for pregnant women
- (a) 300 Kcal, 8-10 grams of proteins
(b) 200 Kcal, 6-8 grams proteins
(c) 600 Kcal, 16-20 grams proteins
(d) 500 Kcal, 20-25 grams proteins
19. Kishori Shakti Yojana (KSY) is:
- (a) Empowerment of females under Maternity Benefit Scheme
(b) Adolescent girl's scheme under ICDS
(c) Free and compulsory education for girl child
(d) Child care home scheme for female juvenile delinquents
20. An example of secondary health care level would be:
- (a) Primary Health Center (b) Sub Center
(c) Community Health Center (d) Apex Health Institutions

SECTION - 2 (40 MARKS)

Q. 2. Write full question on following : (any 1 out of 2) 10 Marks

1. Classify various epidemiological studies. What are elements of a cohort study?
2. What is safe and wholesome water? Discuss purification of water on a small scale.

Q. 3. Write down your comments on the following : (any 2 out of 3) (5 Marks each) 10 Marks

1. Integrated vector control.
2. Case control study.
3. What is triangle of epidemiology.

Q. 4. Write in one or two line short questions. (10) (2 Marks each) 20 Marks

- a) Secondary attack rate.
- b) What is blocked flea.
- c) Classification of IUCDs.
- d) 4 important blood born infections of public health importance.
- e) Draw symbol of biomedical waste disposal system.
- f) Non-scalpel vasectomy.
- g) Residual chlorine.
- h) Additional requirement of chlorine during lactation.
- i) Stratified sampling.
- j) Amount of light reaching a surface is measured in which unit.

SECTION - 3 (40 MARKS)

Q. 5. Write full question on following : (any 1 out of 2) 10 Marks

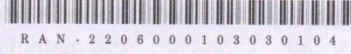
1. Define Epidemiology. What are the uses of epidemiology?
2. What are different types of families? What are functions of the family? Discuss the cultural factors in health and disease.

Q. 6. Write Short Notes on following : (5 Marks each) (any 2 out of 3) 10 Marks

1. Steps of epidemic investigation.
2. Cafeteria approach in family planning.
3. Importance of age at marriage.

Q. 7. Write Short Notes on following : (any 5 out of 6) (4 marks each) 20 Marks

- a) Cyclic trend of disease.
- b) Adverse effects following immunisation.
- c) Levels of disease prevention.
- d) Iceberg phenomenon of diseases.
- e) Epidemiology versus clinical medicine.
- f) What is sanitary barrier.



RAN - 2206000103030104

RAN-2206000103030104

Third MBBS (Part - I) Examination April - 2023

Community Medicine : Paper - II (New Course)

સૂચના : / Instructions

- (1) નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

Third MBBS (Part - I)

Name of the Subject :

Community Medicine : Paper - II (New Course)

Subject Code No.: 2206000103030104

Seat No.:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Student's Signature

SECTION - I (Total marks = 20)

Q. 1. Encircle correctly appropriate answer from following multiple choice questions (20 each of I mark)

20

- Nuclear family is
 - Husband, wife , independent children
 - Husband, wife, dependent children
 - Husband, wife, son
 - None of above
- Kuppuswamy's scale is based on the following variables except
 - Education
 - Occupation
 - Income
 - Housing
- Consider the following:
 - Night blindness
 - Corneal xerosis
 - Conjunctival xerosis
 - Keratomalacia

What is the correct sequence of the above in the progress of clinical presentation of vitamin A deficiency blindness?

- 1-2-3-4
- 1-3-2-4
- 1-3-4-2
- 2-1-4-3

RAN-2206000103030104]

[1]

[P.T.O.]

P1890

4. Regarding the concentration of nutrients in the breast milk, the incorrect is:
- A. 3.5% fat
 - B. Lower protein content than that of cow's milk
 - C. 6.2 % lactose
 - D. High calcium supply by 100 ml as compared to cow's milk
5. Highest amount of iron is seen in which of following pulse
- A. Horse gram
 - B. Bengal gram
 - C. Black Gram
 - D. Soyabean
6. Which of the following is the nodal ministry for ICDS programme?
- A. Ministry for Human Resource Development
 - B. Ministry for Rural Development
 - C. Ministry for woman and child development
 - D. Ministry for Health and Family Welfare
7. UNICEF provides all Except:
- A. Child nutrition
 - B. Child health education
 - C. Immunization
 - D. Family planning
8. Dust particle, in a industry is a:
- A. Biological hazards
 - B. Chemical hazards
 - C. Physical hazards
 - D. Mechanical hazards
9. Which of the following exposure carries the maximum risk of transmission of HIV-
- A. Sexual intercourse
 - B. Blood transfusion
 - C. Transplacental
 - D. Needle prick
10. Lower cut-off of BMI for overweight as recommended for Asian populations is :
- A. >18.5
 - B. >20.5
 - C. >23
 - D. >24.9

11. A school child is diagnosed to have chicken pox. He should be isolated from other school children till:
- A. The scabs fall off
 - B. Two days after the scabs are formed
 - C. Three days after the fever develops
 - D. Five days after the development of pustules
12. An 80 kg 50 years old gentleman is found to have BP of 135/80 mm of Hg. The most important step included in primary prevention of hypertension in this patient is to:
- A. Advise lipid profile
 - B. Reduce weight
 - C. Ensure patient compliance
 - D. Take antihypertensive treatment
13. The commonest morbidity in schools is:
- A. Dental Ailments
 - B. Worm Infestations
 - C. Malnutrition
 - D. Skin Diseases
14. Most persuasive and effective media system for communication is:
- A. Inter-personal Communication
 - B. Mass Media Communication
 - C. Social Media Communication
 - D. Printed Media Communication
15. Which of the following statements refers to propaganda?
- A. Develops individuality
 - B. The process is behaviour centered
 - C. Makes people think for themselves
 - D. Appeals to emotion
16. Composition of ORS which of the following is correct:
- A. Na⁺ 90 meq/L
 - B. HCO₃⁻ 10 meq/L
 - C. K⁺ 20 meq/L
 - D. Cl⁻ 5 meq/L

17. Prevention of drug dependence is based following approach
- A. Community approach
 - B. Educational approach
 - C. Legal approach
 - D. All of the above
18. Currently given regimen for Bancroftian filariasis is
- A. DEC - 6 mg/kg/day X 12 days
 - B. DEC - 18 mg/kg/day X 24 days
 - C. DEC - 12 mg/kg/day X 12 days
 - D. DEC - 24 mg/kg/day X 24 days
19. A Female has presented with lower abdominal pain and vaginal discharge, which drug shall be given as per Syndromic approach?
- A. Cefixime, Metronidazole, clarithromycin
 - B. Cefadroxyl, Metronidazole, clarithromycin
 - C. Cefixime, Metronidazole, Doxycycline
 - D. Cefixime, Metronidazole, Azithromycin
20. Marriage between two heterozygous individuals for same disorder is prevented by
- A. Retrospective Genetic counseling
 - B. Legislation
 - C. Mass health education
 - D. Prospective Genetic counseling

SECTION - II (Total marks = 40)

Q. 2. Write full question on following (Any 1 out of 2) 10

- a) Describe epidemiological determinants, clinical profile, prevention and control of Dengue fever.
- b) Describe sources, routes of spread and preventive measures of hospital acquired infection.

Q. 3. Write down short notes / your comments on the following statements (2 comments) (5 marks each) (Any 2 out of 3) 10

- a) Motivation model of health education is essential for behaviour change. - Justify the sentence with appropriate comments.

- b) Food poisoning and cholera are clinically and epidemiologically different.
- Justify the sentence with appropriate comments.
- c) Post exposure prophylaxis after needle stick injury while treating suspected HIV affected individual.

Q. 4. Write in one or two line short questions (2 marks each) 20

- a) Enlist control measures for measles outbreak.
- b) Enlist causes of mental ill health.
- c) Enumerate factors associated with high risk of drug abuse.
- d) Enlist four preventive actions for genetic diseases.
- e) Explain the reason of observation of 7th April as world health day and mention the theme of world health day 2022.
- f) Enlist four benefits of demonstration as group approach for health communication.
- g) Mention four cardinal features of leprosy.
- h) Mention the schedule of routine and precaution dose for Covid vaccination.
- i) Mention four key indicators to evaluate malaria elimination under NVBDCP programme.
- j) Enlist four rights of patient while seeking healthcare.

SECTION - III (Total marks = 40)

Q. 5. Write full question on following (Any 1 out of 2) 10

- (a) Describe the population strategy for prevention of coronary heart disease.
- (b) Describe measurement, types, prevention and control of undernutrition.

Q. 6. Write down short notes / your compare & contrast on following (2 comments) (5 marks each) (Any 2 out of 3) 10

- a) Janani shishu suraksha yojna.
- b) Classify the minerals and describe Public health importance of fluorine and zinc.
- c) Principles of case management under IMNCI.

**Q. 7. Write Short notes on following (5 short notes of 4 marks each)
(Any 5 out of 6)**

20

- a) Write preventive and control measures for infant mortality in India.
- b) Briefly describe risk factors of breast cancer.
- c) Write preventive measures of radiation hazards in industry.
- d) Prophylactic dose and regime for Iron and Folic Acid supplementation under anemia mukt bharat programme. (INIPI)
- e) Write guidelines of choice of cooking oil to balance various fatty acids in diet.
- f) Mention measures of primary Preventive health care for elderly.