

[Time: Three Hours]

[Marks: 100]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Figures to the right indicates full marks.
 3. Draw neat and labelled diagrams wherever necessary.

Q.1 A) Fill in the blank by choosing the correct option given in the bracket. **05**

- a. _____ is the source of Omega 3 fatty acids. (Rice, Fish oil, Coffee)
- b. _____ is harmful drug leading to addiction. (Marijuana, Margarin, Melanin)
- c. Alzheimer's disease is a progressive disease that destroys _____. (memory, cardiac tissues, Nephrons)
- d. Super female syndrome patient has _____ chromosomes. (45, 46, 47)
- e. Great Barrier Reef is located in _____. (Australia, India, Madagascar)

Q.1 B) Match the column I and column II and rewrite. **05**

Column I

- a) Eggs
- b) Mental stress
- c) Down Syndrome
- d) Bradykinesia
- e) Minamata disease

Column II

- 1) Dancing cat fever
- 2) Flattened face
- 3) Proteins
- 4) Cardiovascular problems
- 5) Slowed movement

Q.1 C) State whether true or false: **05**

- a. Three to Four hour sleep is sufficient for normal healthy individual.
- b. Osteoporosis is associated with problems of lungs and respiration.
- c. There is no cure for autism spectrum disorder.
- d. Aerobic exercise may reduce the risk of Parkinson's disease.
- e. Diclofenac caused Bhopal gas tragedy.

Q.1 D) Answer in one sentence **05**

- a. What is balanced diet?
- b. Which hormone is produced by human placenta?
- c. What is genetic testing?
- d. What is atmosphere?
- e. Which gas was responsible for Bhopal gas tragedy?

Q.2 A) Give an account of adverse effects of junk food on heart and liver **10**

OR

A) Explain the importance of recreation and meditation in daily life **10**

Q.2 B) Explain **any two** of the following: **10**

- a. Sedentary life style
- b. Effects of alcoholism
- c. Effects of smoking
- d. Role of diet in prevention of tuberculosis

- Q.3 A)** Describe the learning disability with reference to causes, symptoms, detection and remedy. **10**
OR
A) Explain maternal blood screening **10**
- Q.3 B)** Explain **any two** of the following: **10**
a. Genetic Counseling
b. Symptoms of Klinefelter syndrome
c. Causes of Down's Syndrome
d. Amniocentesis
- Q.4 A)** Describe various sources of air pollution. **10**
OR
A) Give a brief account of acidification of Great Barrier Reef. **10**
- Q.4 B)** Explain **any two** of the following: **10**
a. Effects of water pollution
b. Effects of Bhopal gas tragedy.
c. Various sources of soil pollution.
d. Causes and effects of Minamata disaster.
- Q.5** Write short note on **any four**. **20**
a. Role of diet in prevention of cancer
b. Importance of sleep and exercise for health life
c. Treatment of super female
d. Ultrasonography
e. Global warming
f. Types of solid wastes
