

[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**

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

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

**Column I**

- Eggs
- Mental stress
- Down Syndrome
- Bradykinesia
- 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**

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

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

- What is balanced diet?
- Which hormone is produced by human placenta?
- What is genetic testing?
- What is atmosphere?
- 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**

- Sedentary life style
- Effects of alcoholism
- Effects of smoking
- Role of diet in prevention of tuberculosis

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**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**

- Genetic Counseling
- Symptoms of Klinefelter syndrome
- Causes of Down's Syndrome
- 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**

- Effects of water pollution
- Effects of Bhopal gas tragedy.
- Various sources of soil pollution.
- Causes and effects of Minamata disaster.

**Q.5** Write short note on any four. **20**

- Role of diet in prevention of cancer
- Importance of sleep and exercise for health life
- Treatment of super female
- Ultrasonography
- Global warming
- Types of solid wastes

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