

Part - B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

- | | |
|---|-------|
| 11.a. Define Exercise Physiology and Explain its scope. | CO3K3 |
| (or) | |
| 11.b. Write about the physical properties of muscles. | CO3K3 |
| 12.a. Enumerate the functions of muscles. | CO3K3 |
| (or) | |
| 12.b. Elaborate the chemical composition of muscles. | CO3K3 |
| 13.a. Describe the chemistry of muscular contraction. | CO3K3 |
| (or) | |
| 13.b. Write about the nature and importance of exercise physiology. | CO3K3 |
| 14.a. Describe the types of muscle fibers. | CO3K3 |
| (or) | |
| 14.b. Describe about the ventilation during exercise. | CO3K3 |
| 15.a. Write about cardiac cycle. | CO2K3 |
| (or) | |
| 15.b. Explain about Stroke volume. | CO2K3 |

Part-C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

- | | |
|--|-------|
| 16.a. Draw a neat diagram of Structure of skeletal muscles and explain it? | CO2K2 |
| (or) | |
| 16 .b. Explain about the sliding filament theory of muscular contraction | CO2K2 |
| 17.a. Describe the effect of exercise and training on respiratory system. | CO2K2 |
| (or) | |
| 17.b. Explain about the effect of exercise on nervous system. | CO2K2 |
| 18.a. Write about the effect of exercise and training on muscular system. | CO2K2 |
| (or) | |
| 18.b. Write about the circulatory system and exercise. | CO2K2 |
| 19.a. Enumerate about the different lung volume and its measurements. | CO2K3 |
| (or) | |
| 19.b. Write about cardiac output and blood pressure. | CO2K3 |
| 20.a. Describe about the heart rate during and after exercise. | CO2K3 |
| (or) | |
| 20.b. Write about the nervous control of muscular movement. | CO2K3 |
