

## Sargodha Board 2017 (Second Group)

Roll No.(in figures): ..... (in words): .....

Maximum Marks: 48

### SUBJECTIVE TYPE

Time Allowed :1.45 Hours

### (PART - I)

**Q2. Write short answers to any FIVE (5) questions. (5×2=10)**

- (i) Define Zoology and Botany.
- (ii) Describe major biological issues of today.
- (iii) Differentiate between quantitative observations and qualitative observations.
- (iv) What is meant by incubation period?
- (v) Write characteristics of Kingdom monera.
- (vi) Define binomial nomenclature.
- (vii) What are chromoplasts?
- (viii) Describe function of thylakoids.

**Q3. Write short answers to any FIVE (5) questions. (5×2=10)**

- (i) What is difference between benign and malignant tumors?
- (ii) Define Mitosis? In which cells does it occur?
- (iii) What is regeneration? Give an example.
- (iv) Which factors effect the rate of enzyme reaction?
- (v) Name the important vitamins which are co-enzyme.
- (vi) What do you know about electron transport chain?
- (vii) Give a brief description of anaerobic respiration.
- (viii) What do you mean by Krebs cycle?

**Q4. Write short answers to any FIVE (5) questions. (5×2=10)**

- (i) What is meant by nutrition?
- (ii) Write the dietary sources of Proteins.
- (iii) Write about anaemia which is produced due to minerals deficiency.
- (iv) Describe the Churning Process.
- (v) Write the role of vascular systems in plants.
- (vi) What is transpirational pull?
- (vii) Write two achievements of William Harvey.
- (viii) Write reason of bleed from the nose, gums and under the skin in dengue fever.

### (PART - II)

**Note: Attempt any TWO questions. (2×9=18)**

- |   |   |
|---|---|
| Q5. (a) Explain organism level and community level.                   | 4 |
| (b) Differentiate between prokaryotic and eukaryotic cells.           | 5 |
| Q6. (a) Describe any two factors affecting the rate of enzyme action. | 4 |
| (b) Write a note on importance of fermentation.                       | 5 |
| Q7. (a) What is Malnutrition? Describe effects of malnutrition.       | 4 |
| (b) Explain opening and closing of Stomata.                           | 5 |