| Seat No.: | Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY

| | | BE – SEMESTER IV EXAMINATION – SUMMER 2015 | |
|-----------------------|------------|--|-----------|
| Subje | ct co | de: 140301 Date: 03/06/2015 | |
| Subje | ct Na | ame: Life Science – 2 | |
| Time: 10.30am-01.00pm | | 80am-01.00pm Total Marks: 70 | |
| Insti | uct | ions: | |
| | 1. | Attempt all questions. | |
| | | Make suitable assumptions wherever necessary. | |
| | | Figures to the right indicate full marks. | |
| | | | |
| Q.1 | (a) | | 07 |
| | (b) | Describe the functions of Cerebrum & Cerebellum. | 07 |
| Q.2 | (a) | · · · · · · · · · · · · · · · · · · · | 07 |
| | (b) | • • | 07 |
| | | OR | |
| | (b) | What are the functions of the autonomic nervous system? | 07 |
| Q.3 | (a) | Draw & explain the GI tract. | 07 |
| | (b) | Explain the anatomical structure of Pituitary Gland. | 07 |
| | | OR | |
| Q.3 | (a) | | 07 |
| | (b) | Explain the layers of the wall of Alimentary Canal. | 07 |
| Q.4 | (a) | Explain anatomy of thyroid gland. Also explain about the hormones produced by | 07 |
| | | thyroid gland. | |
| | (b) | Enlist organs of male reproductive system. Describe the structure and function of the testes in the scrotum. | 07 |
| | | OR | |
| Q.4 | (a) | | 07 |
| Q.4 | (b) | | 07 |
| Q.1 | (6) | Explain the processes involved in the formation of drine. | 07 |
| Q.5 | (a) | Explain the anatomical structure of Uterus with neat sketch. | 07 |
| | (b) | Describe the gastric juice & function of stomach. | 07 |
| | | OR | |
| Q.5 | (a) | | 07 |
| | (b) | Outline the structure and function of the ureters. | 07 |
