

17PHD05 July - 2018

BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER - PHYSIOLOGY

QP CODE - 6002

Duration: 1 ½ Hrs

Max Marks: 50

I Answer the following

5 x 2 = 10 Marks

1. CRISPER/CAS9
2. What are monoclonal antibodies?
3. What is qPCR?
4. What is DNA finger printing?
5. Name two prenatal risk factors for autism.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Explain the isolation techniques of DNA by Chemical method.
7. Discuss the different types of Neurodevelopmental disorders.
8. Examine the Co-morbid condition of ASD.
9. Explain reported mutations in Neuroligin 4X gene.
10. Discuss the Management and Prevention of Autism Spectrum Disorder.

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Write briefly about three forms of DNA. Add a note on DNA as a therapeutic target
12. Name different types of autism. Describe briefly about etiology of diseases and current scenario of autism in India
13. Write an explanatory note on neuroligin & Neurexin interaction on functional synaptogenesis