

19PHD001

BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER (Allied Health Sciences)

QP CODE - 6022

Duration: 1 ½ Hrs

Max Marks: 50

I Answer the following

5 x 2 = 10 Marks

1. What is Donnan effect?
2. What is confocal microscope?
3. What is q-PCR
4. What is bioinformatics?
5. What do you mean by biomolecule?

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. BSL-3 Laboratory
7. What are the moral or ethical dilemmas associated with gene therapy?
8. M^{Pro} of Corona virus
9. Describe structure of t-RNA molecules and its role.
10. Why do several different codons encode the same amino acid?

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Briefly describe the process of regulation of gene expression in Lac Operon.
12. Write briefly on VEGF family and its role on angiogenesis.
13. Write briefly about the molecular docking. Add a note on ADME property.

19PHD013

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Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER (ALLIED HEALTH SCIENCES)

QP CODE - 6022

Duration: 1 ½ Hrs

Max Marks: 50

I Answer the following

5 x 2 = 10 Marks

1. Lean PCOS
2. Anovulation
3. BMI
4. Waist to Hip ratio
5. Genetics in PCOS

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Rotterdam criteria for PCOS
7. Diet therapy in PCOS
8. Causes of infertility in PCOS
9. Menstrual problems in PCOS
10. Medical management in PCOS

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Discuss the effects of stress on PCOS. How yoga helps in treatment of PCOS (5+5)
12. Discuss the short term and long term complications of PCOS.(5+5)
13. Describe the etio patho genesis of PCOS.(5+5)