

PhD

Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA)
A Deemed to be University established under Section 3 of the UGC Act, 1956

Program: PhD (Yoga)
Subject Name: Basics of Molecular Biology & Genetics
Sem Period: March, 2024 – July, 2024
Date: 15.07.2024
Examination Mode: Regular

Semester: 2nd Semester
Subject Code: YLSPHD 18101
Batch: August, 2023
Time: 09.45 am to 12.45 pm
Max. Marks: 100

General Instructions:

1. Read all the questions carefully and then start writing
2. Do not write anything on the question paper
3. Write your registration number on the rectangular space provided here

Reg No:

Short Essay (Attempt any Six) – 10 Marks for each Question

06 * 10 = 60 Marks

1. Mention the differences between RNA & DNA and mention a few forms of secondary structures of RNA.
2. Mention and briefly explain the different kinds of DNA mutation.
3. Write a short note on Recombinant DNA Technology
4. Mention and describe kinds of ELISA technique.
5. Briefly describe a couple of medical applications of gene therapy.
6. Write a brief note on reverse transcriptase.
7. Write a short note on restriction enzymes.
8. What is electrophoresis? Explain the difference between agarose gel electrophoresis and polyacrylamide gel electrophoresis.

Long Essay: (Attempt any Two) – 20 Marks for each Question

02 * 20 = 40 Marks

9. Describe the regulation of lactose Operon.
10. Mention the central dogma of molecular biology and explain the different steps in the process of information transfer from DNA to protein.
11. Describe the double helical structure of DNA

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Program: PhD (Yoga)

Subject Name: Endocrinology of the Female Reproductive System

Sem Period: March, 2024 – July, 2024

Date: 15.07.2024

Examination Mode: Regular

Semester: 2nd Semester

Subject Code: YLSPHD T 24101

Batch: August, 2023

Time: 09.45 am to 12.45 pm

Max. Marks: 100

General Instructions:

1. Read all the questions carefully and then start writing
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Reg No:

Short Essay (Attempt any Six) – 10 Marks for each Question

06 * 10 = 60 Marks

1. Explain ovarian anatomy in detail.
2. Explain the phases of menstruation.
3. Yoga in premenstrual symptoms and Dysmenorrhoea.
4. Explain the role of hormones in maintaining the pregnancy.
5. Physiology of Menopause.
6. Explain Endometriosis and its management.
7. PCOS in detail and its management.
8. Yoga for pregnancy.

Long Essay: (Attempt any Two) – 20 Marks for each Question

02 * 20 = 40 Marks

9. Explain the application of yoga in Reproductive disorders.
10. Relation of Obesity and menstrual irregularities.
11. Describe the HPO axis and key hormones involved in Reproduction.

Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA)
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Program: PhD (Yoga)
Subject Name: Pathophysiology of Atherosclerosis
Sem Period: March, 2024 – July, 2024
Date: 15.07.2024
Examination Mode: Regular

Semester: 2nd Semester
Subject Code: YLSPHD T 24102
Batch: August, 2023
Time: 09.45 am to 12.45 pm
Max. Marks: 100

General Instructions:

1. Read all the questions carefully and then start writing
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Reg No:

Short Essay (Attempt any Six) – 10 Marks for each Question

06 *10 =60 Marks

1. Explain the process of fibrous Plaque development in Atherosclerosis.
2. Describe Endothelial Dysfunction and its relevance in Atherosclerosis development.
3. Explain the role and process of LDL infiltration in Atherosclerosis.
4. Describe the contribution of VSMCs to formation of Foam Cell Population
5. List out the Endothelium-targeted actions of selected agents that reduce inflammation.
6. List out the acute and chronic clinical manifestations of atherosclerosis.
7. List out and elaborate on the diagnostic tests for Atherosclerosis.
8. Write a short note on relationship between luminal diameter narrowing and relative coronary artery flow.

Long Essay: (Attempt any Two) – 20 Marks for each Question

02* 20 =40 Marks

9. Explain the Type 1 and Type 2 activation of endothelial cells.
10. Elaborate on the initiation and progression in atherosclerosis.
11. Describe in detail about atheroma complication: its disruption and healing.

Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA)
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Program: PhD (Yoga)
Subject Name: Qualitative Research
Sem Period: March, 2024 – July, 2024
Date: 15.07.2024
Examination Mode: Regular

Semester: 2nd Semester
Subject Code: YLSPHD 20112
Batch: August, 2023
Time: 09.45 am to 12.45 pm
Max. Marks: 100

General Instructions:

1. Read all the questions carefully and then start writing
2. Do not write anything on the question paper
3. Write your registration number on the rectangular space provided here

Reg No:

Short Essay (Attempt any Six) – 10 Marks for each Question

06 *10 =60 Marks

1. Write the difference between qualitative and quantitative research.
2. Explain structured, semi-structured and unstructured interview.
3. Explain hypothesis vs research questions
4. What are interpretive and theoretical validity?
5. Describe quantitative data collection methods
6. Explain criteria for evaluation of interview.
7. Describe the concept of transferability in qualitative research.
8. What are the challenges associated with conversational interviewing?

Long Essay: (Attempt any Two) – 20 Marks for each Question

02* 20 =40 Marks

9. Explain the process of qualitative and quantitative research in detail.
10. Describe the research process and field work.
11. Explain the concept of theoretical validity and its importance in qualitative research

Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA)
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Program: PhD (Yoga)

Subject Name: Research Communication & Publication Ethics

Sem Period: March, 2024 – July, 2024

Date: 10.07.2024

Examination Mode: Regular

Semester: 2nd Semester

Subject Code: PhDT 202

Batch: August, 2023

Time: 09.45 am to 12.45 pm

Max. Marks: 100

General Instructions:

1. Read all the questions carefully and then start writing
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Reg No:

Short Essay (Attempt any Six) – 10 Marks for each Question

06 *10 =60 Marks

1. What are the different types of conflict of interest in publication ethics, what are the 4 criteria to define authorship?
2. What are the ethical considerations for industry-sponsored research publications?
3. What are the potential benefits of open access for public education and engagement with science? How can open access publishing contribute to knowledge sharing and collaboration across borders?
4. What new opportunities and challenges does open access present for the evaluation and dissemination of research? How can the discoverability of open access research be improved for researchers and the public?
5. What role do plagiarism policies at universities and journals play in deterring plagiarism? How can we encourage ethical research practices and responsible scholarship across disciplines?
6. Distinguish between honest errors and research misconduct. How can researchers ensure their work is accurate and verifiable?
7. What are the ethical responsibilities of reviewers in the peer-review process? How can potential biases be minimized in the peer-review process?
8. How can institutions and funding agencies support researchers in making ethical publishing choices?

9. Write a note on key features of DrillBit. Write a note on UGC guidelines on research publication and thesis.
10. How can predatory open access journals be identified and avoided by researchers? Are there concerns about the potential for copyright infringement in open access models?
11. What are the different funding models used to support open access publishing (e.g., article processing charges, institutional repositories)? How can the costs of open access publishing be made more equitable and accessible for researchers in developing countries?

