SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at 'A' Grade (3rd Cycle) By NAAC)

Tiruchirappalli – 2.

QUESTION BANK

FOR B.Sc MICROBIOLOGY

2017-2018

DEPARTMENT OF MICROBIOLOGY

CONTENT

SHRIMATI INDIRA GANDHI COLLEGE, TRICHY
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DEPARTMENT OF MICROBIOLOGY

IMMUNOLOGY

APRIL-2013

SUB CODE: **MAX MARKS: 75**

CLASS: II M.Sc. MicroBiology **TIME: 3 Hrs**

SECTION – A (10X2=20)

ANSWER ALL THE QUESTIONS.

1. Haemolytic disease
2. Robert koch.
3. T killer cell
4. Mast cells
5. Haptens
6. Tissue fixation
7. Floculation
8. Cross reaction
9. Isoimmuno reaction
10. Erythroblastosis fotalis

SECTION – B (5X5=25)

ANSWER THE FOLLOWING QUESTIONS.

11. a) Brief account on cellular theory of immunity proposed by Metchnikoff.

(OR)

b) Explin the Rh compatablity of blood.

12**.** a)Funtion of lymphnodes .

(OR)

b) Compare the properaties of T and B cells.

13. a)Importanes of antitoxins

(OR)

b) structure of IgM.

14. a) Explin bacterial agglutination reactions.

(OR)

b)comment on skin terts.

15.a) type IV hypersensitivity and causes.

(OR)

b) properation of lympokinase.

SECTION – C **(3X10=30)**

ANSWER ANY THREE QUESTIONS.

16.Diffierence between innate and acquired immunity.

17. Anatomy of lympho reticular system.

18. theories of antibody porduction.

19. Elaborate account on ELISA.

20. Role of cytokines in immune system.

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DEPARTMENT OF MICROBIOLOGY

M.Sc. DEGREE EXAMINATIONS – APRIL 2017

IMMUNOLOGY

SUB CODE: P16MB12 **MAX MARKS: 75**

TIME: 3 Hrs

SECTION – A (10X2=20)

ANSWER ALL THE QUESTIONS.

1. Immunization
2. Universal blood donar
3. Exocytosis.
4. Antibody.
5. Fab.
6. Toxoid vaccine.
7. Immunodiffusion.
8. Antigen receptor.
9. Syngraft.
10. Class II MHC genes.

SECTION – B **(5X5=25)**

ANSWER THE FOLLOWING QUESTIONS.

11.(a) Meadical application of blood grouping

(or)

(b) Difference between Active acquired Immunity and passive Immuunity.

12.(a) Development fate of B Lymphocyte.

(or)

(b) Function of bonemarrow.

13.(a) Structure of Immunoglobulin.

(or)

(b) Properties of Ig.

14.(a)Antigen Antibody reaction.

(or)

(b) Mechanism of agglutination.

15.(a)Classification of hypersensitivity with eg.

(or)

(b)Type fourth stimulatory hypersensitivity.

SECTION – C **(3X10=30)**

ANSWER ANY THREE QUESTIONS.

16.Secondary lymphoid organ.

17 .Various theory of antibody production.

18.Blood transfusion and immunological accepts of blood transfusion.

19.Types of antigen and antibody reaction.

20.Mechanism of anaphylaxis.

DEPARTMENT OF MICROBIOLOGY

IMMUNOLOGY

NOVEMBER 2015

SUB CODE: **MAX MARKS: 75**

CLASS: II M.Sc. MicroBiology **TIME: 3 Hrs**

SECTION – A (10X2=20)

ANSWER ALL THE QUESTIONS.

1. Blood transfusion
2. Native immunity
3. Stem cells
4. Dendritic cells
5. Antigenicity
6. Monoclonal antibody
7. RIA
8. ELISA
9. Mantoux reaction
10. Lymphokinase

SECTION – B (5X5=25)

ANSWER THE FOLLOWING QUESTIONS.

11. a) Contribution of Louis Pasteure

(OR)

b) Active immunity

12. a) Structure and function of macrophages.

(OR)

b) Immunological functions of Thymus.

13. a) Elaborate note on vaccines.

(OR)

b) Functions of Immunoglobulins.

14. a) Types of antigen and antibody reactions.

(OR)

b) Structure and functions of HLA.

15. a) Comment on histocompatibility antigens.

(OR)

b) What is allergy? Explain the various factors of allergens.

SECTION – C **(3X10=30)**

ANSWER ANY THREE QUESTIONS.

16. Account on Rh blood grouping.
17. Structure and function of primary lymphoid organs.
18. Theories of antibody biosynthesis.
19. ELISA
20. Mechanisms of graft rejections.

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