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F – 2416

Reg. No. : .....

Name : .....

**Fifth Semester B.Sc. Degree Examination, December 2018**

**First Degree Programme Under CBCSS**

**Zoology**

**Core Course – VII**

**ZO1544 : IMMUNOLOGY AND MICROBIOLOGY**

**(Common for 2013 and 2014 Admission)**

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions (In **one** or **two** sentences. **One** mark each).

- 1) Phagocyte
- 2) Inflammation
- 3) Thymus
- 4) Zymogens
- 5) Innate immunity
- 6) MBL pathway
- 7) Nif gene
- 8) PPLO
- 9) Prosthecae
- 10) Sabin vaccine.

**(10×1=10 Marks)**

II. Answer **any eight** of the following (**Not** exceed **one** paragraph. **Each** carries **two** marks).

- 11) Physiological factors
- 12) Monoclonal antibodies
- 13) Endogenous antigen
- 14) Antibody affinity
- 15) VDRL test

P.T.O.



- 16) Memory cells
- 17) Serum sickness
- 18) Gram negative bacteria
- 19) Cytopathic effect
- 20) Episomes
- 21) Cycle of Ros
- 22) Phage.

(8×2=16 Marks)

III. Answer **any six** of the following (**Not to exceed 120 words. Each carries 4 marks**)

- 23) T-lymphocytes
- 24) Graft rejection
- 25) Immunotherapy
- 26) BCG
- 27) Autoimmune diseases
- 28) Comment on DNA viruses
- 29) Extreme life forms
- 30) Structure of a typical bacterium
- 31) Microbes in medical biotechnology.

(6×4=24 Marks)

IV. Answer **any two** of the following (**Each carries 15 marks**).

- 32) Describe various tests for antigen-antibody reactions.
- 33) Give an account on complement system.
- 34) Comment on any five bacterial diseases.
- 35) Give an account of the role of fungi in human welfare.

(2×15=30 Marks)

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