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61305

First P.B.B.Sc. Nursing Examination, Summer 2017
MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for **all Sections**.

SECTION "A" (40 Marks)

1. Short answer question (any five out of six) : (5×5=25)
 - a) Write on Bacterial food poisoning.
 - b) Enlist and describe Koch's postulates.
 - c) Describe the procedure of Gram's staining.
 - d) Write on Bacterial cell wall.
 - e) Write on Biomedical Waste Management.
 - f) Write on Enriched and Enrichment media.

2. Long answer question (any one out of two) : (1×15=15)
 - a) Define Sterilization. Classify the various methods of sterilization and add a note on autoclave.
 - b) What is infection ? Define Nosocomial infection. Enlist organisms causing nosocomial infection. Describe in detail role of Hospital Infection Control Nurse (HICN).

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SECTION "B" (35 Marks)

3. Short answer question (any four out of five) : (4×5=20)
- a) Write on Antigen.
 - b) Write on Human Immunodeficiency Virus- HIV.
 - c) Write on superficial mycosis.
 - d) Write on Candidiasis.
 - e) Collection of sputum sample.
4. Long answer question (any one out of two) : (1×15=15)
- a) List the organisms causing acute diarrhoeal diseases and describe the laboratory diagnosis of Cholera.
 - b) Describe in detail Bacterial Growth Curve. Describe the factors affecting bacterial growth.

SECTION "A" (30 Marks)

(5×5=25)

1. Short answer question (any five out of six) :
- a) Write on Bacterial food poisoning.
 - b) Enumerate and describe Koch's postulates.
 - c) Describe the procedure of Gram's staining.
 - d) Write on Bacterial cell wall.
 - e) Write on Biomedical Waste Management.
 - f) Write on Enriched and Enrichment media.

(1×15=15)

2. Long answer question (any one out of two) :
- a) Define Sterilization. Classify the various methods of sterilization and add a note on autoclave.
 - b) What is infection? Define Nosocomial infection. Enumerate organisms causing nosocomial infection. Describe in detail role of Hospital Infection Control Nurse (HICN).

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First P.B.B.Sc. Nursing Examination, Winter 2017
MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen **only**.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory**.
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question Paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any Question Paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all Sections**.

SECTION – A (40 Marks)

1. Short answer question (any five out of six) : (5×5=25)
 - a) Name 2 DNA 2 RNA viruses.
 - b) Write Koch's postulates.
 - c) Define antigen and antibody.
 - d) Write life cycle of Round worm.
 - e) Write a note on carriers.
 - f) Write a note on dermatophytes.

2. Long answer question (any one out of two) : (1×15=15)
 - a) Define hospital infection. Write factors affecting hospital infection. Write common hospital infections. Name common organisms causing hospital infection. Write hospital infection control policy.
 - b) Write morphology, pathogenicity and laboratory diagnosis of Mycobacterium tuberculosis.

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SECTION - B (35 Marks)

3. Short answer question (any four out of five) :

(4×5=20)

- a) Write a note on IgA antibody.
- b) Gram staining.
- c) Classify culture media with examples.
- d) Sexually transmitted diseases.
- e) Biomedical waste management.

4. Long answer question (any one out of two) :

(1×15=15)

- a) Define Sterilisation and Disinfection. Write in detail about moist heat sterilisation.
- b) Draw a neat and well labelled diagram of HIV. Write its transmission, pathogenicity and laboratory diagnosis of HIV.

Isaac - 66:1

God is not
Dead