

Question Paper

Exam Date & Time: 04-Jul-2022 (10:00 AM - 11:30 AM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - JULY 2022
SUBJECT: BSN 2103A - PHARMACOLOGY

Marks: 38

Duration: 90 mins.

Answer all the questions.

Section Duration: 15 mins

Choose the single best response for the following:

- 1) A patient is receiving 50 mg of drug X IM every 12 hours. You have an ampule that contains 100 mg/2 mL of drug X. How much will you draw into a syringe to administer the patient? (1)

1 mL
2 mL
0.5 mL
1.5 mL

- 2) A prodrug is: (1)

The prototype member of a class of drugs
The oldest member of a class of drugs
An inactive drug that is transformed in the body to an active metabolite
A drug that is stored in body tissues and is then gradually released in the circulation

- 3) Which of the following is a first-line drug to treat tuberculosis? (1)

Rifampicin
Ethionamide
Cycloserine
Levofloxacin

- 4) Which of the following is an anti-influenza agent? (1)

Acyclovir
Penciclovir
Osetamivir
Ganciclovir

- 5) Which of the following is used as an antiseptic before giving injections? (1)

Formaldehyde
Carbolic acid
Ethyl alcohol
Cresol

- 6) A patient undergoing cancer chemotherapy is vomiting frequently. Which of the drugs would you chose to treat this patient? (1)
- Cetirizine
Ondansetron
Ranitidine
Sucralfate
- 7) Which of the following drugs can be used for symptomatic treatment of dry unproductive cough? (1)
- Potassium iodide
Guaiphenesin
Acetylcysteine
Codeine
- 8) Which of the following drugs is a centrally acting skeletal muscle relaxant? (1)
- Dantrolene
Mivacurium
Chlorzoxazone
Tubocurarine
- 9) Which of the following agents is used to treat over dose of weakly acidic drugs like salicylates? (1)
- Methionine
Sodium bicarbonate
Ammonium chloride
Vitamin C
- 10) Which of the following drugs is used in alcohol deaddiction? (1)
- Disulfiram
Naloxone
Dronabinol
Buprenorphine
- 11) Inert substances which sooth inflamed mucosa or skin by preventing contact with irritants in the surroundings are called as: (1)
- Emollients
Adsorbents
Protectives
Demulcents
- 12) Which of the following statements regarding benzodiazepines is true? (1)
- Phenobarbitone is a benzodiazepine
They can cause megaloblastic anemia
They potentiate the inhibitory effect of GABA
They lack anticonvulsant effect
- 13) Which of the following antihypertensive drug can cause dry cough? (1)
- Captopril
Losartan
Nifedipine
Metoprolol
- 14) Which of the following drugs acts by irreversibly inhibiting platelet cyclooxygenase enzyme? (1)
- Aspirin

Aspirin
Clopidogrel
Abciximab
Dipyridamole

15) By which of the following routes is insulin routinely administered in diabetic mellitus patients? (1)

Oral
Subcutaneous
Intra dermal
Intra muscular

Answer all the questions.

1. Short note:

- 1A) General characteristics of aminoglycosides (Any SIX). (3)
1B) Classification of drugs used in the treatment of bronchial asthma with an example for each (Any THREE). (3)
1C) Examples for astringents, keratolytics and irritants (TWO each). (3)

2. Short answers:

- 2A) Describe the term pharmacodynamics. (2)
2B) List four drugs used in the treatment of peptic ulcer. (2)
2C) List four peripherally acting skeletal muscle relaxants. (2)
2D) List two uses and two adverse effects of nitrofurantoin. (2)
2E) List two opioid analgesics and mention their two contraindications. (2)
2F) Explain the mechanism of nitroglycerine. (2)
2G) List two uses and two adverse effects of steroids. (2)

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Question Paper

Exam Date & Time: 05-Jul-2022 (10:05 AM - 11:30 AM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - JULY 2022
SUBJECT: BSN2103B - PATHOLOGY & GENETICS

Marks: 22

Duration: 75 mins.

Answer all the questions.

2. Short note :

- 2A) Define neoplasia. Enlist any FOUR differences between benign and malignant tumours. (3)
(1+2 = 3 marks)
- 2B) Enumerate Jone's criteria of Rheumatic Heart Disease (RHD) and describe the microscopic features seen in RHD. (3)
(2+1 = 3 marks)
- 2C) Describe the clinical and morphological features seen in cirrhosis of liver. (3)
- 2D) What were the goals and the phases of the Human Genome Project? (3)

3. Short answers :

- 3A) List the any FIVE cardinal signs of inflammation. (2)
- 3B) List the causes for nephritic syndrome. (2)
- 3C) Describe the gross & microscopic features of uterine fibroid. (2)
- 3D) How does one approach a diagnosis in dysmorphology? (2)
- 3E) Briefly explain Gene Therapy. (2)

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Question Paper

Exam Date & Time: 07-Jul-2022 (10:15 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - JULY 2022
SUBJECT: BSN 2102TH - MEDICAL SURGICAL NURSING - I

Marks: 60

Duration: 165 mins.

Answer all the questions.

1. Mrs. Y, a 56 year old was brought to the emergency department with complaints of shortness of breath on exertion, which usually is relieved by rest and chest pain which was radiating to the jaw, back, and to left arm with palpitations suggestive of coronary artery disease (CAD). She is hypertensive for the past 6 years and is on irregular treatment. Answer the following in relation to Mrs. Y.

- 1A) Describe the diagnostic measures to confirm the diagnosis of Mrs. Y (6)
1B) Explain the immediate nursing interventions for Mrs. Y (6)

2. Explain "Peptic ulcer" under the following headings:

- 2A) Differentiate between gastric ulcer and duodenal ulcer (6)
2B) Explain nursing management of a patient with peptic ulcer (7)

3. Short note:

- 3A) Explain the pharmacological management of pain (5)
3B) Describe the clinical manifestations of hypothyroidism (5)
3C) Explain the pathophysiology of diabetes mellitus (5)
3D) Explain the types of psoriasis (5)
3E) Describe the pathophysiology of nephrotic syndrome (5)
3F) Explain the phases of general anesthesia (5)
3G) Describe the role of circulating nurse in operating room (5)

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Question Paper

Exam Date & Time: 09-Jul-2022 (10:15 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - JULY 2022

SUBJECT: BSN 2104 - COMMUNITY HEALTH NURSING-I

Marks: 60

Duration: 165 mins.

Answer all the questions.

1. Answer the following in relation to water.

- 1A) Illustrate rapid sand filtration. (6)
- 1B) Enumerate waterborne diseases. (6)

2. Mr. 'X' visited Primary Health Centre with the complaints of severe headache and fever.

He is diagnosed to have Malaria. He is prescribed with anti-malarial drugs. As a public health nurse, answer the following.

- 2A) Explain the epidemiological factors to Mr. X. (6)
- 2B) Outline the malaria control measures to Mr. X (7)

3. Short note :

- 3A) Illustrate sanitation barrier. (5)
- 3B) Explain the steps used in descriptive study. (5)
- 3C) Explain the prevention and control of AIDS. (5)
- 3D) Describe risk factors for diabetes mellitus. (5)
- 3E) Explain the methods of collecting data. (5)
- 3F) Explain the chemical methods of family planning. (5)
- 3G) Describe male sterilization. (5)

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Question Paper

Exam Date & Time: 11-Jul-2022 (10:15 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B. Sc. NURSING DEGREE EXAMINATION - JULY 2022
SUBJECT: BSN 2105 - COMMUNICATION AND EDUCATIONAL TECHNOLOGY

Marks: 60

Duration: 165 mins.

Answer all the questions.

1. Answer the following in relation to AV Aids:

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| 1A) | Define educational AV Aids | (2) |
| 1B) | State the purpose of AV Aids | (4) |
| 1C) | Describe the classification of AV Aids with suitable examples. | (7) |

2. Answer the following in relation to methods of teaching:

- | | | |
|-----|--|-----|
| 2A) | List out the purposes of demonstration method. | (2) |
| 2B) | Explain the technique of demonstration. | (3) |
| 2C) | Write the advantages and disadvantages of demonstration. | (7) |

3. Short note :

- | | | |
|-----|---|-----|
| 3A) | Explain the phases of Interpersonal relationship (IPR). | (5) |
| 3B) | Explain the stages of group development. | (5) |
| 3C) | Describe various approaches to health education. | (5) |
| 3D) | Explain the principles of counselling. | (5) |
| 3E) | Describe the aims of education. | (5) |
| 3F) | Describe the steps of curriculum development. | (5) |
| 3G) | Identify the types of rating scale. | (5) |

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Question Paper

Exam Date & Time: 12-Jul-2022 (10:15 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR B. Sc. NURSING DEGREE EXAMINATION - JULY 2022

SUBJECT: BSN 2101 - SOCIOLOGY

Marks: 60

Duration: 165 mins.

Essay:

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|-----|---|------|
| 1) | Contrast between a nuclear family versus a joint family | (12) |
| 2A) | Explain the problems faced by elderly | (6) |
| 2B) | Describe methods to solve the problems of elderly | (7) |

3. Short note:

- | | | |
|-----|--|-----|
| 3A) | Distinguish between society and community | (5) |
| 3B) | Classify social groups with examples | (5) |
| 3C) | Describe effects of population explosion | (5) |
| 3D) | Explain types of social mobility | (5) |
| 3E) | Explain the effect of slums in the society | (5) |
| 3F) | Describe the determinants of achieved status | (5) |
| 3G) | Explain preventive measures for child abuse | (5) |

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