

Faculty of Health Sciences
Bachelor of Science Honors in Industrial Pharmaceutical Science
BSM 1153 General Pharmaceutics
Batch 08-A
1st Year 1st Semester
End Semester Examination - SEQ

INDEX NUMBER:

Date : 09th August 2024

Time : 9.00 a.m. - 12.00 p.m. (Three hours)

INSTRUCTIONS TO CANDIDATES

- This question paper consists of **SIX** questions.
- Answer **ALL** the questions on this paper itself.
- Final answers should be given legibly in black or blue ink.

Question 01 **(100 marks)**

1.1 List **five (05)** criteria to be accomplished by a good medicine. **(20 marks)**

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1.2 State differences between a 'drug' and a 'medicine'. **(20 marks)**

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1.3 Write a brief account on National Medicines Regulatory Authority (NMRA) of Sri Lanka as the regulatory body of pharmaceutical industry. **(30 marks)**

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1.4 List **five (05)** world-renowned pharmacopoeia. (30 marks)

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Question 02 (100 marks)

2.1 Write the difference between pharmacopeia and drug formulary. (20 marks)

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2.2 List **four (04)** excipients with animal origin. (20 marks)

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2.3 Write a short note on gaseous and aerosol dosage forms. (30 marks)

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2.4 Briefly describe following excipient types, giving **one (01)** example for each.

2.4.1 Preservatives

(15 marks)

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2.4.2 Diluents

(15 marks)

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Question 03

(100 marks)

3.1 Classify different liquid dosage forms.

(20 marks)

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3.2 Differentiate primary and secondary packaging, giving examples.

(20 marks)

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3.3 What are the advantages of plastic as a packaging material?

(30 marks)

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3.4 Briefly describe the use of following glass types for packaging.

3.4.1 Borosilicate glass (Type I) (15 marks)

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3.4.2 Soda-lime glass (Type III) (15 marks)

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Question 04 (100 marks)

4.1 State **four (04)** instructions/ precautions/ warnings given on a drug label. (20 marks)

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4.2 Outline different characteristics of a good pharmaceutical label. (30 marks)

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4.3 List **four (04)** types of water used in pharmaceutical manufacturing. (20 marks)

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4.4 What are the types of contamination? Give **two (02)** examples for each type. (30 marks)

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Question 05 (100 marks)

5.1 What is the main importance of maintaining Good Manufacturing Practices in the pharmaceutical industry? (20 marks)

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5.2 State the reason for maintaining a unidirectional air flow within a pharmaceutical manufacturing plant. (20 marks)

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5.3 Write **five (05)** uses of reference standards in the pharmaceutical industry. (30 marks)

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5.4 State **three (03)** differences between analytical and working standards. (30 marks)

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Question 06

(100 marks)

6.1 State **five (05)** factors to considered when developing a pharmaceutical layout. (20 marks)

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6.2 Mention **five (05)** advantages of a good plant layout of a pharmaceutical manufacturing plant. (20 marks)

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6.3 Write **five (05)** methods to minimize the particulate matters within a clean room. (30 marks)

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6.4 A pharmaceutical manufacturing plant has the same place to receive the materials and load the finished products. Comment on the suitability of receiving materials and loading of finished products from the same place. (30 marks)

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Faculty of Health Sciences
Bachelor of Science Honours in Industrial Pharmaceutical Science
BSM 1122 Medical Terminology
1st Year 1st Semester
End Semester Assignment Examination

Date : 13th August 2024
Time : 09.00 a.m. – 11.00 a.m. (Two hours)

INSTRUCTIONS TO CANDIDATES

- This question paper consists of **FOUR** questions.
- Answer **ALL** questions.
- You should write the answers in black or blue ink.

Question 1 **(100 marks)**

1.1 Compare and contrast followings.

1.1.1 Mid sagittal plane and transverse plane (25 marks)

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1.1.2 Supine position and prone position (25 marks)

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1.1.3 Proxima and distal (25 marks)

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1.1.4 Dorsal and ventral body cavities (25 marks)

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Question 2

(100 marks)

2.1 Define following terms.

2.1.1 Leukocytosis

(10 marks)

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2.1.2 Thrombocytopenia

(10 marks)

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2.1.3 Thrombus

(10 marks)

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2.1.4 Bradycardia

(10 marks)

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2.1.5 Nephromegaly

(10 marks)

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2.2 Complete following table.

(50 marks)

Medical term	Prefix (If present)	Root word	Combining vowel (If present)	Suffix (If present)	Definition
Angiostenosis					
Bronchitis					
Gastroenterologist					
Hypothyroidism					
Hematuria					

Question 3

(100 marks)

3.1 Compare and contrast followings.

3.1.1 Dysmenorrhea and amenorrhea

(25 marks)

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3.1.2 Osteoblasts and osteoclasts

(25 marks)

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3.1.3 Aspermia and oligospermia (25 marks)

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3.1.4. Hemiplegia and paraplegia (25 marks)

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Question 4 (100 marks)

4.1 Write the meaning of the following word roots. (5 X 5 marks = 25marks)

4.1.1 neph -

4.1.2 cost -

4.1.3 lingu -

4.1.4 ped -

4.1.5 hept -

4.2 Write the appropriate medical term for followings. (5 X 5 marks = 25 marks)

4.2.1 Diseases of the muscle -

4.2.2 Head pain -

4.2.3 Promotes sleep -

4.2.4 4.2.4 Male disease -

4.2.5 Urine blood condition -

4.3 Define following terms. (5 X 5 marks = 25 marks)

4.3.1 Inferolateral -

- 4.3.2 Laterosuperior -.....
- 4.3.3 Mediosuperior -.....
- 4.3.4 Posteromedial -.....
- 4.3.5 Anterolateral -.....

4.4 Write the meaning of the following terms. (5 X 5 marks = 25marks)

- 4.4.1 Nephrectomy -.....
- 4.4.2 Calculus -.....
- 4.4.3 Micturition -.....
- 4.4.4 Cystalgia -.....
- 4.4.5 Nephroma -.....