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Faculty of Health Sciences

Bachelor of Science Honours in Industrial Pharmaceutical Science

7th Batch

BSM 1122 Medical Terminology

1st Year 1st Semester

End Semester SEQ Based Assignment Examination

Date : 15th March 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 What is anatomical position of human body? (25 marks)

1.2 Write short notes on following terms.

1.2.1 Median plane (25 marks)

1.2.2 Transverse plane (25 marks)

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

1.3.1 Inferolateral

1.3.2 Laterosuperior

1.3.3 Mediosuperior

1.3.4 Posteromedial

1.3.5 Anterolateral

Question 2

(100 marks)

2.1 Define following terminologies related to human body position.

2.1.1 Reclining position (15 marks)

2.1.2 Prone position (15 marks)

2.1.3 Supine position (15 marks)

2.2 Define following terms. (6 X 5 marks = 30 marks)

2.2.1 Cystalgia

2.2.2 Cystectomy

2.2.3 Cystolith

2.2.4 Micturition

2.2.5 Nephroma

2.2.6 Hematuria

2.3 Write the difference between an embolus and thrombus. (25 marks)

Question 3**(100 marks)**

- 3.1 What is the difference between dysmenorrhea and amenorrhea? (20 marks)
 3.2 Define ectopic pregnancy. (20 marks)
 3.3 Fill in the blanks in following table with suitable terms. (4 x 5 marks= 20 marks)

	Female	Male
3.3.1 Germ cells	(a)	(b)
3.3.2 Reproductive organ	(a)	(b)

- 3.4 Define following terms. (2 X 10 marks = 20 marks)
 3.4.1 Hypothermia
 3.4.2 Peritonitis
 3.5 Define following cell types.
 3.5.1 Osteoblasts (10 marks)
 3.5.2 Osteoclasts (10 marks)

Question 4**(100 marks)**

- 4.1 Write the appropriate medical term for followings. (6 X 5 marks = 30 marks)
 4.1.1 Promotes sleep
 4.1.2 Diseases of the muscle
 4.1.3 One sided facial paralysis due to inflammation of facial nerve
 4.1.4 Group of inherited genetic conditions that gradually cause the muscles to weaken
 4.1.5 Accumulation of cerebrospinal fluid within brain ventricles
 4.1.6 Paralysis of lower portion of body
- 4.2 Write the meaning of the following terms. (5 X 6 marks = 30 marks)
 4.2.1 Nephrectomy
 4.2.2 Calculus
 4.2.3 Micturition
 4.2.4 Cystalgia
 4.2.5 Nephroma
- 4.3 What is homeostasis? (10 marks)
 4.4 Write the meaning of the following word roots. (5 X 6 marks = 30 marks)
 4.4.1 neph
 4.4.2 cost
 4.4.3 lingu
 4.4.4 angi
 4.4.5 ped



Faculty of Health Sciences
Bachelor of Science Honours in Industrial Pharmaceutical Sciences
BSM 1153 - General Pharmaceutics
Batch - 07
1st year 1st semester
End Semester SEQ Examination

INDEX NUMBER:

Date : 12th March 2024
Time : 09.00 am – 12.00 pm (Three Hours)

INSTRUCTIONS TO CANDIDATES

This question paper consists of **SIX** questions.
 Answer **all** questions.
 You should write legibly in black or blue ink.

- 01** **(100 marks)**
- 1.1. What is the importance of having standards for drugs? (10 marks)
 - 1.2. State the **05** criteria to be accomplished by a newly invented drug. (15 marks)
 - 1.3. Differentiate pharmacopeia and drug formulary. (20 marks)
 - 1.4. Describe general monographs and specific monographs. (25 marks)
 - 1.5. Describe **02** unique facility designs and operations to be available in a clean room at an injectable biological drug manufacturing facility. (30 marks)
- 02** **(100 marks)**
- 2.1. Draw the schematic representation of the cumulative amount of drug released from immediate, delayed, and extended released dosage forms. (15 marks)
 - 2.2. Differentiate two-phased system from single-phase gels. (20 marks)
 - 2.3. Classify the sterile dosage forms and drug delivery systems. (30 marks)
 - 2.4. Write short notes on the following. (40 marks)
 - 2.4.1. Buccal and sublingual tablets
 - 2.4.2. Plasters
 - 2.4.3. Effervescent tablets
 - 2.4.4. Suppositories
- 03** **(100 marks)**
- 3.1. What is the importance of maintaining GMP in the pharmaceutical industry? (20 marks)
 - 3.2. Briefly describe the material and personnel flow in a pharmaceutical manufacturing plant by drawing a simple layout. (30 marks)
 - 3.3. State **05** uses of reference standards in the pharmaceutical industry. (20 marks)
 - 3.4. Describe how an analytical reference standard is prepared from a working standard. (30 marks)

04 (100 marks)

- 4.1. State **03** unique characteristic features of borosilicate glass. (20 marks)
- 4.2. Comment on the importance of quality assurance aspects of packaging. (30 marks)
- 4.4. State the main **03** types of hazards encountered by packaging with an example for each. (15 marks)
- 4.5. Write a descriptive account of types of packaging. (35 marks)

05 (100 marks)

- 5.1. State **05** ideal characteristics of the excipients. (20 marks)
- 5.2. Briefly describe the function of anti-oxidants as an excipient. (20 marks)
- 5.3. Differentiate between glidant and lubricant. (30 marks)
- 5.4. Outline the information that should be available on a dispensing label. (30 marks)

06 (100 marks)

- 6.1. What is a pharmaceutical plant layout? (20 marks)
- 6.2. State **05** factors that must be considered when developing a pharmaceutical layout. (20 marks)
- 6.3. Briefly describe how you are going to minimize the external particles and microorganisms within a good manufacturing plant by giving examples. (30 marks)
- 6.4. A pharmaceutical manufacturing plant has the same place to receive the materials and load the finished products.
 - 6.4.1. Comment on the suitability of receiving materials and loading of finished products from the same place. (30 marks)