



## SCHOOL OF PHARMACY

Faculty of Pharmacy, University of Pharmacy, Hama, Syria

Department of Pharmacology & Therapeutics

Page No. 1

Course Name: Pharmacology

Page No.

Page No.

1. Which of the following is not a function of the liver?
2. Which of the following is not a function of the liver?
3. Which of the following is not a function of the liver?
4. Which of the following is not a function of the liver?
5. Which of the following is not a function of the liver?
6. Which of the following is not a function of the liver?
7. Which of the following is not a function of the liver?
8. Which of the following is not a function of the liver?
9. Which of the following is not a function of the liver?
10. Which of the following is not a function of the liver?

Page No.

Page No.

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Page No.

# FACULTY OF PHARMACY

Course: B. Pharm (P) - 1<sup>st</sup> Year & 2<sup>nd</sup> Year & 3<sup>rd</sup> Year & 4<sup>th</sup> Year  
 Branch: Clinical Pharmacy & Pharmaceutical Chemistry

Page 2 of 2

2014-15-15139

Q.1

Write down the following:

1. Write down the following: (10 marks)
2. Write down the following: (10 marks)
3. Write down the following: (10 marks)
4. Write down the following: (10 marks)
5. Write down the following: (10 marks)
6. Write down the following: (10 marks)
7. Write down the following: (10 marks)
8. Write down the following: (10 marks)
9. Write down the following: (10 marks)
10. Write down the following: (10 marks)

Q.2

2014-15-15139

1. Write down the following: (10 marks)
2. Write down the following: (10 marks)
3. Write down the following: (10 marks)
4. Write down the following: (10 marks)
5. Write down the following: (10 marks)
6. Write down the following: (10 marks)
7. Write down the following: (10 marks)
8. Write down the following: (10 marks)
9. Write down the following: (10 marks)
10. Write down the following: (10 marks)



MS-0121

# UNIVERSITY OF THE PACIFIC

Form 101 (Rev. 1-1991) - University of the Pacific, January 1991  
(Subject: Social Studies)

Form 101

MS-0121-7

## Section A: Multiple Choice

MS-0121

MS-0121-7

1. The first step in the scientific method is to ask a question.
2. A hypothesis is a testable statement.
3. The second step in the scientific method is to make a hypothesis.
4. The third step in the scientific method is to test the hypothesis.
5. The fourth step in the scientific method is to analyze the data.
6. The fifth step in the scientific method is to draw a conclusion.
7. The sixth step in the scientific method is to communicate the results.
8. The seventh step in the scientific method is to repeat the experiment.
9. The eighth step in the scientific method is to publish the results.
10. The ninth step in the scientific method is to accept the results.

## Section B: Short Answer

MS-0121

MS-0121-7

1. List the steps in the scientific method.
2. Define a hypothesis and give an example.
3. Explain how a hypothesis is tested.
4. Describe the difference between a hypothesis and a theory.
5. Explain why it is important to repeat an experiment.
6. Describe the difference between a hypothesis and a prediction.
7. Explain why it is important to communicate the results of an experiment.
8. Describe the difference between a hypothesis and a conclusion.
9. Explain why it is important to publish the results of an experiment.
10. Describe the difference between a hypothesis and a prediction.



Page No. P/202

**FACULTY OF MEDICINE**

**DEPT. OF PATHOLOGY (PHYSIOLOGY & ANATOMY)**

**First Year (1st Year)**

**Exam Name:**

**2020/2021**

**Unit 1**

**Exam Name of the subject:**

**PHYSIOLOGY**

1. What is the definition of physiology?
2. What is the definition of anatomy?
3. What is the definition of histology?
4. What is the definition of pathology?
5. What is the definition of microbiology?
6. What is the definition of immunology?
7. What is the definition of pharmacology?
8. What is the definition of toxicology?
9. What is the definition of forensic medicine?
10. What is the definition of sports medicine?

**Exam Name of the subject:**

**PHYSIOLOGY**

1. What is the definition of physiology?
2. What is the definition of anatomy?
3. What is the definition of histology?
4. What is the definition of pathology?
5. What is the definition of microbiology?
6. What is the definition of immunology?
7. What is the definition of pharmacology?
8. What is the definition of toxicology?
9. What is the definition of forensic medicine?
10. What is the definition of sports medicine?





Date: 10/11/2020

# **FAMILY PLANNING**

Mark: 20 (Total: 100) (100 Marks) (Duration: 1 hour)

Subject: M.Sc. (Health Services & Management) (Biology)

Time: 1 hour

Max. Marks: 20

NOTE:

Ques. Answer the questions

(10 x 2 = 20 Marks)

1. What is the purpose of a family planning program?
2. What are the different methods of family planning?
3. What is the difference between natural and artificial methods?
4. What is the difference between reversible and irreversible methods?
5. What is the difference between short-term and long-term methods?
6. What is the difference between barrier and non-barrier methods?
7. What is the difference between hormonal and non-hormonal methods?
8. What is the difference between injectable and implantable methods?
9. What is the difference between intrauterine and intra-uterine methods?
10. What is the difference between sterilization and non-sterilization methods?

Ques. Answer the questions

(10 x 2 = 20 Marks)

1. What is the difference between natural and artificial methods?
2. What is the difference between reversible and irreversible methods?
3. What is the difference between short-term and long-term methods?
4. What is the difference between barrier and non-barrier methods?
5. What is the difference between hormonal and non-hormonal methods?
6. What is the difference between injectable and implantable methods?
7. What is the difference between intrauterine and intra-uterine methods?
8. What is the difference between sterilization and non-sterilization methods?
9. What is the difference between natural and artificial methods?
10. What is the difference between reversible and irreversible methods?



2008年12月

Thema 1: 1004-1014, 1017-1020, 1022-1024, 1026-1028, 1030-1032, 1034-1036, 1038-1040, 1042-1044, 1046-1048, 1050-1052, 1054-1056, 1058-1060, 1062-1064, 1066-1068, 1070-1072, 1074-1076, 1078-1080, 1082-1084, 1086-1088, 1090-1092, 1094-1096, 1098-1100, 1102-1104, 1106-1108, 1110-1112, 1114-1116, 1118-1120, 1122-1124, 1126-1128, 1130-1132, 1134-1136, 1138-1140, 1142-1144, 1146-1148, 1150-1152, 1154-1156, 1158-1160, 1162-1164, 1166-1168, 1170-1172, 1174-1176, 1178-1180, 1182-1184, 1186-1188, 1190-1192, 1194-1196, 1198-1200, 1202-1204, 1206-1208, 1210-1212, 1214-1216, 1218-1220, 1222-1224, 1226-1228, 1230-1232, 1234-1236, 1238-1240, 1242-1244, 1246-1248, 1250-1252, 1254-1256, 1258-1260, 1262-1264, 1266-1268, 1270-1272, 1274-1276, 1278-1280, 1282-1284, 1286-1288, 1290-1292, 1294-1296, 1298-1300, 1302-1304, 1306-1308, 1310-1312, 1314-1316, 1318-1320, 1322-1324, 1326-1328, 1330-1332, 1334-1336, 1338-1340, 1342-1344, 1346-1348, 1350-1352, 1354-1356, 1358-1360, 1362-1364, 1366-1368, 1370-1372, 1374-1376, 1378-1380, 1382-1384, 1386-1388, 1390-1392, 1394-1396, 1398-1400, 1402-1404, 1406-1408, 1410-1412, 1414-1416, 1418-1420, 1422-1424, 1426-1428, 1430-1432, 1434-1436, 1438-1440, 1442-1444, 1446-1448, 1450-1452, 1454-1456, 1458-1460, 1462-1464, 1466-1468, 1470-1472, 1474-1476, 1478-1480, 1482-1484, 1486-1488, 1490-1492, 1494-1496, 1498-1500, 1502-1504, 1506-1508, 1510-1512, 1514-1516, 1518-1520, 1522-1524, 1526-1528, 1530-1532, 1534-1536, 1538-1540, 1542-1544, 1546-1548, 1550-1552, 1554-1556, 1558-1560, 1562-1564, 1566-1568, 1570-1572, 1574-1576, 1578-1580, 1582-1584, 1586-1588, 1590-1592, 1594-1596, 1598-1600, 1602-1604, 1606-1608, 1610-1612, 1614-1616, 1618-1620, 1622-1624, 1626-1628, 1630-1632, 1634-1636, 1638-1640, 1642-1644, 1646-1648, 1650-1652, 1654-1656, 1658-1660, 1662-1664, 1666-1668, 1670-1672, 1674-1676, 1678-1680, 1682-1684, 1686-1688, 1690-1692, 1694-1696, 1698-1700, 1702-1704, 1706-1708, 1710-1712, 1714-1716, 1718-1720, 1722-1724, 1726-1728, 1730-1732, 1734-1736, 1738-1740, 1742-1744, 1746-1748, 1750-1752, 1754-1756, 1758-1760, 1762-1764, 1766-1768, 1770-1772, 1774-1776, 1778-1780, 1782-1784, 1786-1788, 1790-1792, 1794-1796, 1798-1800, 1802-1804, 1806-1808, 1810-1812, 1814-1816, 1818-1820, 1822-1824, 1826-1828, 1830-1832, 1834-1836, 1838-1840, 1842-1844, 1846-1848, 1850-1852, 1854-1856, 1858-1860, 1862-1864, 1866-1868, 1870-1872, 1874-1876, 1878-1880, 1882-1884, 1886-1888, 1890-1892, 1894-1896, 1898-1900, 1902-1904, 1906-1908, 1910-1912, 1914-1916, 1918-1920, 1922-1924, 1926-1928, 1930-1932, 1934-1936, 1938-1940, 1942-1944, 1946-1948, 1950-1952, 1954-1956, 1958-1960, 1962-1964, 1966-1968, 1970-1972, 1974-1976, 1978-1980, 1982-1984, 1986-1988, 1990-1992, 1994-1996, 1998-2000, 2002-2004, 2006-2008, 2010-2012, 2014-2016, 2018-2020, 2022-2024, 2026-2028, 2030-2032, 2034-2036, 2038-2040, 2042-2044, 2046-2048, 2050-2052, 2054-2056, 2058-2060, 2062-2064, 2066-2068, 2070-2072, 2074-2076, 2078-2080, 2082-2084, 2086-2088, 2090-2092, 2094-2096, 2098-2100, 2102-2104, 2106-2108, 2110-2112, 2114-2116, 2118-2120, 2122-2124, 2126-2128, 2130-2132, 2134-2136, 2138-2140, 2142-2144, 2146-2148, 2150-2152, 2154-2156, 2158-2160, 2162-2164, 2166-2168, 2170-2172, 2174-2176, 2178-2180, 2182-2184, 2186-2188, 2190-2192, 2194-2196, 2198-2200, 2202-2204, 2206-2208, 2210-2212, 2214-2216, 2218-2220, 2222-2224, 2226-2228, 2230-2232, 2234-2236, 2238-2240, 2242-2244, 2246-2248, 2250-2252, 2254-2256, 2258-2260, 2262-2264, 2266-2268, 2270-2272, 2274-2276, 2278-2280, 2282-2284, 2286-2288, 2290-2292, 2294-2296, 2298-2300, 2302-2304, 2306-2308, 2310-2312, 2314-2316, 2318-2320, 2322-2324, 2326-2328, 2330-2332, 2334-2336, 2338-2340, 2342-2344, 2346-2348, 2350-2352, 2354-2356, 2358-2360, 2362-2364, 2366-2368, 2370-2372, 2374-2376, 2378-2380, 2382-2384, 2386-2388, 2390-2392, 2394-2396, 2398-2400, 2402-2404, 2406-2408, 2410-2412, 2414-2416, 2418-2420, 2422-2424, 2426-2428, 2430-2432, 2434-2436, 2438-2440, 2442-2444, 2446-2448, 2450-2452, 2454-2456, 2458-2460, 2462-2464, 2466-2468, 2470-2472, 2474-2476, 2478-2480, 2482-2484, 2486-2488, 2490-2492, 2494-2496, 2498-25

**Summary:**

Eng. Martin, II

Source: Adapted from the author's file.

2004年12月

1. Describe the different quality measures and how they contribute to the final score.
2. What are the main components of the overall score?
3. What are the main components of the overall score?
4. What are the main components of the overall score?
5. What are the main components of the overall score?
6. What are the main components of the overall score?
7. What are the main components of the overall score?
8. What are the main components of the overall score?
9. What are the main components of the overall score?
10. What are the main components of the overall score?

NOTE: Listed by the date listed

**THE UNIVERSITY OF CHICAGO**

1. Maximal volume of O<sub>2</sub> consumed in the last 5 minutes of 22.2 L/min
2. Time at which maximal oxygen uptake begins to occur after the end of maximal exercise
3. Maximal rate of recovery is dependent on the volume of exercise
4. Why is this so important? Delayed recovery is dangerous
5. Should the distribution of blood flow after exercise remain the same?
6. Post-exercise hypotension is related to the type of blood vessel
7. Explain the  $\dot{V}_{O_2}$  after exercise
8. Explain the post-exercise hypotension in terms of the blood vessels



Code No. THT

Name of the Candidate: \_\_\_\_\_  
Registration Number: \_\_\_\_\_

Time: 1 hour

Max. Marks: 70

Subject: Pharmacology

(4+1=10 Marks)

1. What is the therapeutic index of a drug?
2. What is the difference between a drug and a medicine?
3. What is the difference between a drug and a medicine?
4. What is the difference between a drug and a medicine?
5. What is the difference between a drug and a medicine?
6. What is the difference between a drug and a medicine?
7. What is the difference between a drug and a medicine?
8. What is the difference between a drug and a medicine?
9. What is the difference between a drug and a medicine?
10. What is the difference between a drug and a medicine?

Write short answer questions

(4 x 5 = 20 Marks)

1. Explain the difference between a drug and a medicine.
2. Explain the difference between a drug and a medicine.
3. Explain the difference between a drug and a medicine.
4. Explain the difference between a drug and a medicine.
5. Explain the difference between a drug and a medicine.
6. Explain the difference between a drug and a medicine.
7. Explain the difference between a drug and a medicine.
8. Explain the difference between a drug and a medicine.
9. Explain the difference between a drug and a medicine.
10. Explain the difference between a drug and a medicine.



Page No. T-1704

Part II - Model 1113 - Date Exam: 10th August 2018

Subject: History and Civics - Class: 10th

Section: 1

Page No. 1/1

Q1. Answer the following questions.

100 Marks

1. Define the term 'Nationalism'.
2. Name the two main types of nationalism.
3. Define the term 'Nationalism'.
4. Name the two main types of nationalism.
5. Define the term 'Nationalism'.
6. Define the term 'Nationalism'.
7. Define the term 'Nationalism'.
8. Define the term 'Nationalism'.
9. Define the term 'Nationalism'.
10. Define the term 'Nationalism'.

Q2. Answer the following questions.

100 Marks

1. Define the term 'Nationalism'.
2. Define the term 'Nationalism'.
3. Define the term 'Nationalism'.
4. Define the term 'Nationalism'.
5. Define the term 'Nationalism'.
6. Define the term 'Nationalism'.
7. Define the term 'Nationalism'.
8. Define the term 'Nationalism'.
9. Define the term 'Nationalism'.
10. Define the term 'Nationalism'.



Date: 01.05.2022

प्रधान सचिव, स्वास्थ्य विभाग, भारत सरकार, नई दिल्ली

श्री. डॉ. प्रमोद

श्री. डॉ. प्रमोद

अति, अध्यक्ष, राष्ट्रीय स्वास्थ्य आयोग

नई दिल्ली-110054

1. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली

1. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
2. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
3. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
4. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
5. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
6. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
7. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
8. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
9. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
10. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली

अति, अध्यक्ष, राष्ट्रीय स्वास्थ्य आयोग

नई दिल्ली-110054

11. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
12. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
13. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
14. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
15. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
16. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
17. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
18. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
19. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली
20. राष्ट्रीय स्वास्थ्य आयोग, नई दिल्ली



2020/2021

# FACULTY OF PHARMACY

PHARMACY (PART 1) AND PHARMACY (PART 2) EXAMINATIONS

2020/2021

Time: 1 hour

Date: 2020/11/11

## PART 1

Note: Answer all the questions.

PHARMACY (PART 1)

1. Explain the following terms: (10 marks)
2. Explain the following terms: (10 marks)
3. Explain the following terms: (10 marks)
4. Explain the following terms: (10 marks)
5. Explain the following terms: (10 marks)
6. Explain the following terms: (10 marks)
7. Explain the following terms: (10 marks)
8. Explain the following terms: (10 marks)
9. Explain the following terms: (10 marks)
10. Explain the following terms: (10 marks)

## PART 2

Note: Answer any five questions.

PHARMACY (PART 2)

1. Explain the following terms: (10 marks)
2. Explain the following terms: (10 marks)
3. Explain the following terms: (10 marks)
4. Explain the following terms: (10 marks)
5. Explain the following terms: (10 marks)
6. Explain the following terms: (10 marks)
7. Explain the following terms: (10 marks)
8. Explain the following terms: (10 marks)
9. Explain the following terms: (10 marks)
10. Explain the following terms: (10 marks)



COMBIP 8/2020

# TRINITY OF PHARMACY

Part 1: Year 10 (10th) Unit 1: Pharmacology, written test  
Subject: Clinical Pharmacology & Pharmacokinetics & Drug Metabolism

Time: 1 hour

Max. Marks: 50

Part 1

Write answer to the questions

Start Writing

1. Explain the role of the following in drug metabolism:
2. Describe the pharmacokinetics of a drug in a patient.
3. Explain the role of the following in drug metabolism:
4. Explain the role of the following in drug metabolism:
5. Explain the role of the following in drug metabolism:
6. Explain the role of the following in drug metabolism:
7. Explain the role of the following in drug metabolism:
8. Explain the role of the following in drug metabolism:
9. Explain the role of the following in drug metabolism:
10. Explain the role of the following in drug metabolism:

Part 2

Write answer to the questions

2 x 10 = 20 Marks

1. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
2. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
3. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
4. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
5. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
6. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
7. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
8. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
9. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)
10. Discuss the pharmacokinetics of a drug in a patient. (10 Marks)



## CONCLUSIONS

### TOTAL OF PRINCIPLES

PHOTOGRAPH BY JAMES H. HARRIS FOR THE NEW YORK TIMES MAGAZINE

ISSN 0013-788X/90/0005-0000\$7.50/0

**FIGURE 2. (continued)**

[www.merck.com](http://www.merck.com)

cells. Likewise, the quality of

Figure 2

1998年12月10日

1. Substrates and products overall
2. Reaction rate, equilibrium ( $K'$ ) and catalysis
  - a. Enzyme properties and classification
3. Enzymes and  $K_M$ , steps in catalytic mechanism
4. What is prevented by competitive inhibition?
5. Enzyme kinetics: Michaelis-Menten and Lineweaver
6. Thermodynamic stability of enzyme
7. Effect of pH on activity and stability of an enzyme
8. Steps in allosteric regulation
9. How do allosteric effects work? Examples

ask. I want to be the great one.

## Discussion

**● 4. 17 = 08 0000**

- 1. **Identify** what the type of leader is doing/achieving for a role or a situation
- 2. **Describe** the situation / what's going on
- 3. **Explain** how it is a leadership situation. The kind of management situation
- 4. **Identify** what the leader is doing to lead the group
- 5. **Discuss** how the leadership process is working
- 6. **Explain** how the leader is providing all the necessary conditions
- 7. **What is the outcome** related to the goal to change, maintain or enhance the
- 8. **Explain** how the leader is leading to all stages, processes and indicators

Exam. is a half yearly exam & is held in September, August 2023

Subject: Pharmacokinetics and Pharmacodynamics

Total 3 Hours

Roll No. /C/23

Part - I

Write Answer all the questions

(10 x 1 = 10 Marks)

1. What is the name of a concentration-time curve?
2. Write 2 names for primary cell line and 1 for culture media.
3. Define DOI and TGI.
4. Define toxicity and safety.
5. Write down pharmacokinetic studies in clinical studies.
6. What is the study for pharmacokinetic monitoring?
7. Write down drug-drug interaction with example.
8. Write down pharmacokinetic studies.
9. What are PKC and PKA?
10. Write down the effect of enzymes.

Part - II

Write Answer any five questions

(1 x 1 = 10 Marks)

11. Write down the applications of pharmacokinetics.
12. Write down the names of drug-drug interaction and reference.
13. a) Pharmacokinetic studies of drugs can be done with examples.  
b) Explain the importance of first-pass metabolism.
14. a) Explain drug metabolism involving role of phase I & II reactions with an example.  
b) What is the mechanism of action of an enzyme that is inhibited by a substrate?
15. Write down the mechanism of action of a drug.
16. a) Pharmacokinetic studies of drugs can be done with examples.  
b) Explain the role of pharmacokinetic studies in drug development.
17. a) Write down the names of pharmacokinetic studies.  
b) Explain the role of pharmacokinetic studies in drug development.
18. Explain the role of pharmacokinetic studies in drug development.



Date: 19/05/2020

# FACULTY OF HEALTH SCIENCES

Pharm.Dip. Year 1A/1001 PHARM & Biotech Examination August 2021  
Subject: Pharmacokinetics, Physiology & Pharmacoeconomics

Time: 3 hours

Max. Marks: 50

## Part 1-A

Write answers to the questions

(10 x 10 = 100 Marks)

1. What is the scope of pharmacokinetics in industry?
2. Name 3 drugs in the following categories: a) antidiabetic, b) analgesic, c) antihypertensive.
3. Define T<sub>1/2</sub> and T<sub>1/2β</sub>.
4. Define metabolic and metabolic.
5. Write short notes on the following: a) pharmacokinetics, b) pharmacodynamics.
6. What is the effect of plasma protein binding on drug action?
7. Name 3 drugs which induce liver enzymes.
8. Name 3 drugs which inhibit liver enzymes.
9. What are C<sub>50</sub> and C<sub>50/50</sub>?
10. Write short notes on the following: a) pharmacokinetics, b) pharmacodynamics.

## Part 1-B

Write answers to the questions

(10 x 10 = 100 Marks)

1. Write short notes on the following: a) pharmacokinetics, b) pharmacodynamics.
2. Write short notes on the following: a) pharmacokinetics, b) pharmacodynamics.
3. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which induce liver enzymes.
4. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which inhibit liver enzymes.
5. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which induce liver enzymes.
6. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which inhibit liver enzymes.
7. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which induce liver enzymes.
8. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which inhibit liver enzymes.
9. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which induce liver enzymes.
10. (a) What is the effect of plasma protein binding on drug action?  
(b) Name 3 drugs which inhibit liver enzymes.



COMM DATE

# FACULTY OF TECHNOLOGY

Faculty of Technology  
School of Mechanical Engineering  
Department of Mechanical Engineering

Exam 1 Name

Mat. Name ID

Page 1 of 1

Write answers to the questions

(10 x 10 = 100 marks)

1. Design the control system for a motor.
2. What is the effect of a step change in the input?
3. Design the control system for a motor.
4. What is the effect of a step change in the input?
5. What is the effect of a step change in the input?
6. What is the effect of a step change in the input?
7. What is the effect of a step change in the input?
8. What is the effect of a step change in the input?
9. What is the effect of a step change in the input?
10. What is the effect of a step change in the input?

Page 2 of 2

Write answers to the questions

(10 x 10 = 100 marks)

1. Design the control system for a motor.
2. What is the effect of a step change in the input?
3. Design the control system for a motor.
4. What is the effect of a step change in the input?
5. Design the control system for a motor.
6. What is the effect of a step change in the input?
7. Design the control system for a motor.
8. What is the effect of a step change in the input?
9. Design the control system for a motor.
10. What is the effect of a step change in the input?



Date: 04.05.2020

# FACULTY OF TECHNOLOGY

INSTITUTE OF AUTOMOTIVE TECHNOLOGY & ENGINEERING (IATE) & IATE  
SCHOOL OF AUTOMOTIVE ENGINEERING

Exam: 1. Name:

Mat. Name: 10

Page 1 of 1

NOTE: Answer all the questions.

IT + 7.11.2019

1. Compare the current technology with existing.
2. What do you mean by quality assurance in design tool?
3. Compare the current CAD/CAM.
4. What is the role of the design tool in the design process?
5. What is the role of the design tool in the design process?
6. What is the role of the design tool in the design process?
7. Compare the current CAD/CAM with existing.
8. What do you mean by the design tool in the design process?
9. What is the role of the design tool in the design process?
10. What is the role of the design tool in the design process?

Page 2 of 2

NOTE: Answer all the questions.

IT + 7.11.2019

1. Compare the current technology with existing.
2. What do you mean by quality assurance in design tool?
3. Compare the current CAD/CAM.
4. What is the role of the design tool in the design process?
5. What is the role of the design tool in the design process?
6. What is the role of the design tool in the design process?
7. Compare the current CAD/CAM with existing.
8. What do you mean by the design tool in the design process?
9. What is the role of the design tool in the design process?
10. What is the role of the design tool in the design process?



CUK4NC-D-176

# FACULTY OF DENTISTRY

Pharmaceuticals and Therapeutics Department, University of Birmingham  
 Department of Pharmacy and Therapeutics, University of Birmingham

Date: 1/1/2020

Page: 1/1/2020

Page: 1/1

Module: Pharmacy and Therapeutics

Page: 1/1/2020

1. Name the two main types of drug delivery system.
2. Name the two main types of drug delivery system.
3. Name the two main types of drug delivery system.
4. Name the two main types of drug delivery system.
5. Name the two main types of drug delivery system.
6. Name the two main types of drug delivery system.
7. Name the two main types of drug delivery system.
8. Name the two main types of drug delivery system.
9. Name the two main types of drug delivery system.
10. Name the two main types of drug delivery system.

Page: 2/2

Module: Pharmacy and Therapeutics

Page: 1/1/2020

1. Name the two main types of drug delivery system.
2. Name the two main types of drug delivery system.
3. Name the two main types of drug delivery system.
4. Name the two main types of drug delivery system.
5. Name the two main types of drug delivery system.
6. Name the two main types of drug delivery system.
7. Name the two main types of drug delivery system.
8. Name the two main types of drug delivery system.
9. Name the two main types of drug delivery system.
10. Name the two main types of drug delivery system.



Date No. 5/2020

### FACULTY OF PHARMACY

Major (1) : Veterinary Pharmacy & Toxicology  
Major (2) : Clinical Pharmacology & Pharmaceutical Chemistry

Year : 2<sup>nd</sup> Year

Page : 1/1

Part : 1

Write down all the questions

(10 x 1 = 10 Marks)

1. Write the importance of the quality of the drug.
2. Write the importance of the quality of the drug.
3. Write the importance of the quality of the drug.
4. Write the importance of the quality of the drug.
5. Write the importance of the quality of the drug.
6. Write the importance of the quality of the drug.
7. Write the importance of the quality of the drug.
8. Write the importance of the quality of the drug.
9. Write the importance of the quality of the drug.
10. Write the importance of the quality of the drug.

Part : 2

Write down all the questions

(10 x 1 = 10 Marks)

1. Write the importance of the quality of the drug.
2. Write the importance of the quality of the drug.
3. Write the importance of the quality of the drug.
4. Write the importance of the quality of the drug.
5. Write the importance of the quality of the drug.
6. Write the importance of the quality of the drug.
7. Write the importance of the quality of the drug.
8. Write the importance of the quality of the drug.
9. Write the importance of the quality of the drug.
10. Write the importance of the quality of the drug.



Internal Use Only

# FACULTY OF PHARMACY

There is a new publicly placed submission box now

subject of examination design is restricted to comments

Time 2 hours

Max Marks 70

only answer 10 of 15 questions

Part 1: 4

(4 x 3 = 12 Marks)

1. Briefly define each of the following:
2. Explain the importance of pharmacokinetics.
3. Explain the role of pharmacokinetics in drug development.
4. Explain the role of pharmacokinetics in drug development.
5. Explain the role of pharmacokinetics in drug development.
6. Explain the role of pharmacokinetics in drug development.
7. Explain the role of pharmacokinetics in drug development.
8. Explain the role of pharmacokinetics in drug development.
9. Explain the role of pharmacokinetics in drug development.
10. Explain the role of pharmacokinetics in drug development.

only answer 10 of 15 questions

Part 2: 4

(4 x 3 = 12 Marks)

1. Describe the ability of the following to measure drug concentration. List a major advantage and disadvantage of each.
2. Describe the steps involved in developing a new drug. Explain the importance of each step.
3. Describe the steps involved in developing a new drug. Explain the importance of each step.
4. Describe the steps involved in developing a new drug. Explain the importance of each step.
5. Describe the steps involved in developing a new drug. Explain the importance of each step.
6. Describe the steps involved in developing a new drug. Explain the importance of each step.
7. Describe the steps involved in developing a new drug. Explain the importance of each step.
8. Describe the steps involved in developing a new drug. Explain the importance of each step.
9. Describe the steps involved in developing a new drug. Explain the importance of each step.
10. Describe the steps involved in developing a new drug. Explain the importance of each step.



Code No. 9002199

# **W.D. 17 OF 1940/MAZ**

**Pharm. Ex. Test (S-104) Period: 17th November to December 1942**

**Subject: Pharmacology & Pharmacokinetics**

**Time: 2 Hours**

**Max. Marks: 75**

**Part - I**

**Ans. take up all the questions**

**(10 x 5 = 50 Marks)**

1. What is drug metabolism?
2. Explain the term: biotransformation.
3. Explain the term: first pass effect.
4. Explain the term: half-life of a drug.
5. Explain the term: clearance.
6. Explain the term: volume of distribution.
7. Explain the term: plasma concentration.
8. Explain the term: therapeutic index.
9. Explain the term: side effect.
10. Explain the term: toxicity.

**Part - II**

**Ans. take up any two questions**

**(2 x 5 = 10 Marks)**

1. Discuss the factors which influence the rate of drug metabolism.
2. Discuss the factors which influence the rate of drug excretion.
3. Discuss the factors which influence the rate of drug absorption.
4. Discuss the factors which influence the rate of drug distribution.
5. Discuss the factors which influence the rate of drug elimination.
6. Discuss the factors which influence the rate of drug toxicity.
7. Discuss the factors which influence the rate of drug side effect.
8. Discuss the factors which influence the rate of drug therapeutic index.



2006-07, 712/3

# PHARMACY OF PHARMACOLOGY

Part 2 of Year 4 (PhD) (Date of Issuing Certificate: October 2006)

Subject: Pharmacology of the Cardiovascular System (Pharmacology of the Heart)

Time: 2 hours

Date: 10/10/06

## Part 1

Time: 1 hour 15 minutes

Date: 10/10/06

1. Name the two main components of the cardiovascular system.
2. Name the two main components of the heart.
3. Name the two main components of the heart.
4. Name the two main components of the heart.
5. Name the two main components of the heart.
6. Name the two main components of the heart.
7. Name the two main components of the heart.
8. Name the two main components of the heart.
9. Name the two main components of the heart.
10. Name the two main components of the heart.

## Part 2

Time: 1 hour 15 minutes

Date: 10/10/06

1. Name the two main components of the cardiovascular system.
2. Name the two main components of the heart.
3. Name the two main components of the heart.
4. Name the two main components of the heart.
5. Name the two main components of the heart.
6. Name the two main components of the heart.
7. Name the two main components of the heart.
8. Name the two main components of the heart.
9. Name the two main components of the heart.
10. Name the two main components of the heart.





Date: 01.11.2021

# **FACULTY OF DENTISTRY**

**Pharm: D12 Y004 Year (Nov 2) Booking Examination, October 2021**

**Exam: Clinical Sciences**

**Exam duration:**

**00:15:00 hrs**

**What form are you completing?**

**Form 1**

**of 12 questions**

1. What are the different classes of denture? & why?
2. What is the main body of denture? & why?
3. What is the main body of denture?
4. What is the main body of denture?
5. What is the main body of denture?
6. What is the main body of denture?
7. What is the main body of denture?
8. What is the main body of denture?
9. What is the main body of denture?
10. What is the main body of denture?

**What form are you completing?**

**Form 2**

**of 12 questions**

1. What is the main body of denture?
2. What is the main body of denture?
3. What is the main body of denture?
4. What is the main body of denture?
5. What is the main body of denture?
6. What is the main body of denture?
7. What is the main body of denture?
8. What is the main body of denture?
9. What is the main body of denture?
10. What is the main body of denture?



Date: / /

## FACULTY OF PHARMACY

Ministry of Higher Education & Scientific Research, National 2017

Subject: Pharmacokinetics and Pharmacodynamics

Time: 2 hours

Roll No: / /

### Part - 1

Write answers for all questions.

(100 Marks)

1. Explain pharmacokinetics.
2. What are pharmacokinetic parameters?
3. Explain pharmacokinetics and its importance.
4. What is the importance of pharmacokinetics?
5. Explain pharmacodynamics.
6. What are pharmacodynamic parameters?
7. Explain pharmacodynamics and its importance.
8. What is the importance of pharmacodynamics?
9. Explain pharmacokinetics and pharmacodynamics.
10. Explain pharmacokinetics and pharmacodynamics.

### Part - 2

Write answers for all questions.

(100 Marks)

1. What is the scope of pharmacokinetics? Explain the relationship between pharmacokinetics and pharmacodynamics.
2. Explain pharmacokinetics and pharmacodynamics. What are the pharmacokinetic parameters?
3. Explain pharmacokinetics and pharmacodynamics. What are the pharmacodynamic parameters?
4. Explain pharmacokinetics and pharmacodynamics. What are the pharmacokinetic parameters?
5. Explain pharmacokinetics and pharmacodynamics. What are the pharmacodynamic parameters?
6. Explain pharmacokinetics and pharmacodynamics. What are the pharmacokinetic parameters?
7. Explain pharmacokinetics and pharmacodynamics. What are the pharmacodynamic parameters?
8. Explain pharmacokinetics and pharmacodynamics. What are the pharmacokinetic parameters?
9. Explain pharmacokinetics and pharmacodynamics. What are the pharmacodynamic parameters?
10. Explain pharmacokinetics and pharmacodynamics. What are the pharmacokinetic parameters?



**EXAMINATION SUMMARY**

**Maths 3 & 4 May 2021 (1815) (including Mathematics, July 2021)**

**Subject: Maths 3 & 4**

**100% (7/7 marks)**

**(100% (7/7 marks))**

**Note: answers are given questions 1 to 10 in Part A, answers are given questions from Part B.**

**Part A**

**(100% (7/7 marks))**

1. What is a definite integral used to measure?
2. Define a definite integral in the context of the area under a curve.
3. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?
4. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?
5. What is a definite integral? Define the definite integral.
6. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?
7. Define the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ .
8. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?
9. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?
10. What is the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$ ?

**Part B**

**(100% (7/7 marks))**

11. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
12. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
13. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
14. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
15. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
16. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
17. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
18. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
19. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.
20. Explain the definite integral of  $f(x) = x^2$  from  $x = 0$  to  $x = 1$  in the context of the area under the curve.



# FACULTY OF SCIENCE

Faculty of Science Undergraduate Curriculum, 2023/24

Faculty of Science & Physics Open Access Programme for Undergraduate Engineering

Year 2 Exam

Page 1 of 10

Note: there are no questions from Part 4, there are four questions from Part 5.

## Part 1: 20% of marks

1. Explain the following statement: "The Earth is a system".
2. What are the characteristics of the Earth system? Give an example.
3. What are the main components of the Earth system?
4. Explain the role of the atmosphere in the Earth system.
5. What are the main components of the atmosphere? Give an example.
6. What are the main components of the hydrosphere?
7. What are the main components of the lithosphere? Give an example.
8. Explain the role of the lithosphere in the Earth system.
9. What are the main components of the biosphere?
10. What are the main components of the geosphere?

## Part 5: 30% of marks

1. Explain the role of the atmosphere in the Earth system.
2. What are the main components of the atmosphere? Give an example.
3. Explain the role of the hydrosphere in the Earth system.
4. What are the main components of the hydrosphere? Give an example.
5. Explain the role of the lithosphere in the Earth system.
6. What are the main components of the lithosphere? Give an example.
7. Explain the role of the biosphere in the Earth system.
8. What are the main components of the biosphere? Give an example.
9. Explain the role of the geosphere in the Earth system.
10. What are the main components of the geosphere? Give an example.



## CALLING TIME

FACULTY OF PHARMACY  
 1200 University Avenue, Toronto, Ontario M5S 1A5  
 Tel: (416) 978-2000 ext. 2222 Fax: (416) 978-2000 ext. 2223

**Industrial Engineering**

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## RESULTS

data were not available

PLANTING

1. Differentiate between various processes
2. Name various types of processes and their uses
3. Explain the various types of processes and their uses
4. Explain the various types of processes and their uses
5. Explain the various types of processes and their uses
6. Explain the various types of processes and their uses
7. Explain the various types of processes and their uses
8. Explain the various types of processes and their uses
9. Explain the various types of processes and their uses
10. Explain the various types of processes and their uses

Figure 1

**Table 1. Demographic and clinical characteristics of the study population**

**ALL INFORMATION CONTAINED**

- 11) Develop the master schedule, which will guide the manufacturing strategy.
- 12) Develop a master plan to coordinate the strategy.
- 13) Develop the master schedule, which will guide the manufacturing strategy.
- 14) Develop the master schedule, which will guide the manufacturing strategy.
- 15) Develop the master schedule, which will guide the manufacturing strategy.
- 16) Develop the master schedule, which will guide the manufacturing strategy.
- 17) Develop the master schedule, which will guide the manufacturing strategy.
- 18) Develop the master schedule, which will guide the manufacturing strategy.
- 19) Develop the master schedule, which will guide the manufacturing strategy.
- 20) Develop the master schedule, which will guide the manufacturing strategy.

# FACULTY OF PHARMACY

Course: 180

Write a 4-5 word phrase, then a 4-5 letter acronym, then a 4-5 word phrase  
related to each statement.

Time: 1 hour

Date: \_\_\_\_\_

Page: 1

Write a 4-5 word phrase for question

and a 4-5 letter acronym

1. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
2. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
3. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
4. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
5. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
6. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
7. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
8. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
9. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
10. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."

Page: 2

Write a 4-5 word phrase for question

and a 4-5 letter acronym

1. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
2. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
3. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
4. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
5. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
6. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
7. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
8. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
9. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."
10. Write a 4-5 word phrase for the statement: "The process of drug development is complex and costly."

# FACULTY OF PHARMACY

Course: 1801

Pharm. D / Year II TC (Pharm. & Biotech) Examination, December 2022

Subject: Pharm. Microbiology & Immunology

Time: 2 hours

Roll Number: \_\_\_\_\_

Page: 2

Part: Answer any 10 questions.

Part: 20 Marks

1. Write short note on pheromones in insects.
2. Define antibiotic resistance.
3. Write short note on disinfection.
4. Write short note on sterilization.
5. Write short note on disinfection.
6. Write short note on disinfection.
7. Write short note on disinfection.
8. Write short note on disinfection.
9. Write short note on disinfection.
10. Write short note on disinfection.

Page: 2

Part: Answer any 10 questions.

Part: 20 Marks

11. Define the term pheromone and give its role in insects.
12. Define the term antibiotic resistance and give its role in bacteria.
13. Define the term disinfection and give its role in public health.
14. Define the term sterilization and give its role in public health.
15. Define the term disinfection and give its role in public health.
16. Define the term disinfection and give its role in public health.
17. Define the term disinfection and give its role in public health.
18. Define the term disinfection and give its role in public health.
19. Define the term disinfection and give its role in public health.
20. Define the term disinfection and give its role in public health.



# PHARMACY

years 2 & 3 - 100% + 100 patient consultation + exam 100

subject: Pharmacokinetics & Pharmacodynamics

Time 3 hours

module 10

Write answer proportionally to Part - A, lay the questions from Part - B.

Part - A (100) = 10 hours

1. What is a pharmacokinetic parameter?
2. What is a pharmacodynamic parameter?
3. What is a pharmacokinetic parameter?
4. What is a pharmacodynamic parameter?
5. What is a pharmacokinetic parameter?
6. What is a pharmacodynamic parameter?
7. What is a pharmacokinetic parameter?
8. What is a pharmacodynamic parameter?
9. What is a pharmacokinetic parameter?
10. What is a pharmacodynamic parameter?

Part - B (100) = 10 hours

1. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
2. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
3. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
4. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
5. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
6. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
7. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
8. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
9. Explain the difference between pharmacokinetics and pharmacodynamics. (10)
10. Explain the difference between pharmacokinetics and pharmacodynamics. (10)



# PHARMACY

2020-2021

Exam 1 - MCQ + short answer questions January 2021  
 subject: Clinical Pharmacology & Therapeutics Drug Monitoring

Time: 2 hours

Max Marks: 70

Write answers on separate sheet for Part 1. Lay the completed sheet Part 1B  
 Part 1A (short answer)

1. What is the main function of the liver?
2. What is the main function of the kidney?
3. What is the main function of the heart?
4. What is the main function of the lungs?
5. What is the main function of the stomach?
6. What is the main function of the intestines?
7. What is the main function of the pancreas?
8. What is the main function of the spleen?
9. What is the main function of the thymus?
10. What is the main function of the thyroid?
11. What is the main function of the parathyroid?
12. What is the main function of the pituitary?
13. What is the main function of the hypothalamus?
14. What is the main function of the brain?
15. What is the main function of the spinal cord?

## Part 1B (short answer)

1. Describe the following:
  - a. Pharmacokinetics
  - b. Pharmacodynamics
  - c. Therapeutic drug monitoring
2. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
3. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
4. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
5. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
6. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
7. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
8. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
9. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring
10. Explain the following:
  - a. Therapeutic drug monitoring
  - b. Therapeutic drug monitoring
  - c. Therapeutic drug monitoring



Feb 2018, Vol. 14, No. 1, 1-10

Manuscript accepted: 14 November 2014

EXPORT: COUNCIL OF MINISTERS & PARLIAMENTS OF THE COUNTRIES

**The Editor**

1100

Like *Agavechloa*, *Agavechloa* is a member of the *Agavechloa* subgenus.

**Figure 2. A. 100% to 90% NO<sub>2</sub> Removal**

- What happens if the oil level is too low?
- What happens if the oil level is too high?
- What happens if the oil level is too low?
- What happens if the oil level is too high?
- What happens if the oil level is too low?
- What happens if the oil level is too high?
- What happens if the oil level is too low?
- What happens if the oil level is too high?
- What happens if the oil level is too low?
- What happens if the oil level is too high?

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- |                                                                                                           |    |
|-----------------------------------------------------------------------------------------------------------|----|
| 1) Describe the following:                                                                                |    |
| a) Chromatin structure: nucleosome, higher order                                                          | 10 |
| b) Histone core                                                                                           | 10 |
| 2) Explain in detail, using the right of terms, adjustment concerning DNA damage and repair with examples | 20 |
| 3) a) Explain what happens when $\gamma$ -irradiation                                                     | 10 |
| b) Explain why the cell contains potential events at a site                                               | 10 |
| 4) What happens when you are in a dark, humidified room                                                   | 10 |
| 5) Explain why                                                                                            |    |
| a) Histone is important                                                                                   | 10 |
| b) Histone is a good target for DNA damage                                                                | 10 |
| 6) Explain why the nucleosome is important in the regulation of gene expression                           | 10 |
| 7) Explain why the following:                                                                             |    |
| a) DNA is a good target for DNA damage                                                                    | 10 |
| b) Histone is a good target for DNA damage                                                                | 10 |
| 8) Explain why the nucleosome is important in the regulation of gene expression                           | 20 |

fact, hydrophobicity

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**Journal of Management**

454/55

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1. What is a long (primary) fibre? It has a greater length than diameter.
2. What is a FIB (fibre)? It is a bundle of long (primary) fibres.
3. What is a fibre bundle? It is a bundle of fibres.
4. What is a fibre? It is a single fibre.
5. There is a fibre and a bundle of fibres. What is a fibre? It is a single fibre.
6. What is a fibre bundle? It is a bundle of fibres.
7. What is a fibre bundle? It is a bundle of fibres.
8. What is a fibre bundle? It is a bundle of fibres.
9. What is a fibre bundle? It is a bundle of fibres.
10. What is a fibre bundle? It is a bundle of fibres.

Investment in the new technology is not a sunk cost.

- [illegible]

# INSTITUTE OF MANAGEMENT

CAMBRIDGE

INSTITUTE OF MANAGEMENT - 100, MAIN ROAD, SINGAPORE 117602

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INSTITUTE OF MANAGEMENT - 100, MAIN ROAD, SINGAPORE 117602

INSTITUTE OF MANAGEMENT

1. What is a company? Define it in your own words.
2. What are the main types of companies?
3. What are the main types of companies?
4. What is a company? Define it in your own words.
5. What are the main types of companies?
6. What are the main types of companies?
7. What are the main types of companies?
8. What are the main types of companies?
9. What are the main types of companies?
10. What are the main types of companies?

INSTITUTE OF MANAGEMENT

11. What are the main types of companies?
12. What are the main types of companies?
13. What are the main types of companies?
14. What are the main types of companies?
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17. What are the main types of companies?
18. What are the main types of companies?
19. What are the main types of companies?
20. What are the main types of companies?





# FACULTY OF NURSING

Course: T24

Form 5 (p-1) CVT 19010004A (Rev 02) 2 September 2016  
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Time: 2 hours

Rev: 02/01/17

Write answers on questions from P001 - 2 and last five questions from P007 - 8

## P001 - 6 (10 x 10 Marks)

1. What is the effect of pressure on wound healing?
2. What type of wound dressing is best?
3. Why is a dressing change important?
4. What is TBSA?
5. What is the difference between a burn and a scald?
6. What is the difference between a first, second, and third degree burn?
7. What is the difference between a burn and a scald?
8. What is the difference between a burn and a scald?
9. What is the difference between a burn and a scald?
10. What is the difference between a burn and a scald?

## P007 - 8 (10 Marks)

1. What is the effect of pressure on wound healing?
2. What is the effect of pressure on wound healing?
3. What is the effect of pressure on wound healing?
4. What is the effect of pressure on wound healing?
5. What is the effect of pressure on wound healing?
6. What is the effect of pressure on wound healing?
7. What is the effect of pressure on wound healing?
8. What is the effect of pressure on wound healing?
9. What is the effect of pressure on wound healing?
10. What is the effect of pressure on wound healing?

# FACULTY OF EMERGENCY

(2019-2020)

**PHYSIOLOGY FOR EMERGENCY MEDICINE**  
**EXAMINATION**

**Time: 1 hour**

**Max Marks: 40**

**NOTE: Answer all questions. Questions 1-4 are short questions (10 marks each).  
Questions 5-10 are long questions (30 marks each).**

1. What is the definition of a short-acting drug?
2. What is the definition of a long-acting drug?
3. What is the definition of a short-acting drug?
4. What is the definition of a long-acting drug?
5. What is the definition of a short-acting drug?
6. What is the definition of a long-acting drug?
7. What is the definition of a short-acting drug?
8. What is the definition of a long-acting drug?
9. What is the definition of a short-acting drug?
10. What is the definition of a long-acting drug?

## Part 2 - Long Questions

1. Explain the term "short-acting drug". Give an example of a short-acting drug and its clinical use.
2. Explain the term "long-acting drug". Give an example of a long-acting drug and its clinical use.
3. Explain the term "short-acting drug". Give an example of a short-acting drug and its clinical use.
4. Explain the term "long-acting drug". Give an example of a long-acting drug and its clinical use.
5. Explain the term "short-acting drug". Give an example of a short-acting drug and its clinical use.
6. Explain the term "long-acting drug". Give an example of a long-acting drug and its clinical use.
7. Explain the term "short-acting drug". Give an example of a short-acting drug and its clinical use.
8. Explain the term "long-acting drug". Give an example of a long-acting drug and its clinical use.
9. Explain the term "short-acting drug". Give an example of a short-acting drug and its clinical use.
10. Explain the term "long-acting drug". Give an example of a long-acting drug and its clinical use.



# FACULTY OF PHARMACY

Exam: B.Sc. (Pharm.) / Pharmacy / Bachelor of Pharmacy, July 2011

Subject: Pharmacology and Pharmacokinetics

Date: 11/07/2011

Page: 1 of 1

Name: \_\_\_\_\_

Page: 1 of 1

1. Define the following terms: (10 marks)
2. Define the following terms: (10 marks)
3. Define the following terms: (10 marks)
4. Define the following terms: (10 marks)
5. Define the following terms: (10 marks)
6. Define the following terms: (10 marks)
7. Define the following terms: (10 marks)
8. Define the following terms: (10 marks)
9. Define the following terms: (10 marks)
10. Define the following terms: (10 marks)

Page: 1 of 1

1. Define the following terms: (10 marks)
2. Define the following terms: (10 marks)
3. Define the following terms: (10 marks)
4. Define the following terms: (10 marks)
5. Define the following terms: (10 marks)
6. Define the following terms: (10 marks)
7. Define the following terms: (10 marks)
8. Define the following terms: (10 marks)
9. Define the following terms: (10 marks)
10. Define the following terms: (10 marks)

# INSTITUTE OF PHARMACY

WORTH 100 MARKS & 100% POSITIVELY VERIFICATION, MARK 100%

WORTH 100% MARKS

WORTH 100% MARKS

WORTH 100% MARKS

WORTH 100% MARKS & 100% POSITIVELY VERIFICATION, MARK 100%

WORTH 100% MARKS

1. What is Drug Information? (10 Marks)
2. What is Drug Information? (10 Marks)
3. What is Drug Information? (10 Marks)
4. What is Drug Information? (10 Marks)
5. What is Drug Information? (10 Marks)
6. What is Drug Information? (10 Marks)
7. What is Drug Information? (10 Marks)
8. What is Drug Information? (10 Marks)
9. What is Drug Information? (10 Marks)
10. What is Drug Information? (10 Marks)

WORTH 100% MARKS

1. Drug Information is a part of the drug information system.
2. Drug Information is a part of the drug information system.
3. Drug Information is a part of the drug information system.
4. Drug Information is a part of the drug information system.
5. Drug Information is a part of the drug information system.
6. Drug Information is a part of the drug information system.
7. Drug Information is a part of the drug information system.
8. Drug Information is a part of the drug information system.
9. Drug Information is a part of the drug information system.
10. Drug Information is a part of the drug information system.



# INSTITUTE OF PHARMACY

Part C-1-1004 Year 2019-20 Distribution, Batch 2018

Subject: PHARMACOLOGY & Therapeutics

Time: 3 Hours

Roll Number: 18

Write answers to questions in Part - A, 40% of the total marks. Part - B & C

## PART - A (20 MARKS)

1. Write a note on the following: (10 marks)
2. Write a note on the following: (10 marks)
3. Write a note on the following: (10 marks)
4. Write a note on the following: (10 marks)
5. Write a note on the following: (10 marks)
6. Write a note on the following: (10 marks)
7. Write a note on the following: (10 marks)
8. Write a note on the following: (10 marks)
9. Write a note on the following: (10 marks)
10. Write a note on the following: (10 marks)

## PART - B (20 MARKS)

1. Define the following: (10 marks)
2. Define the following: (10 marks)
3. Define the following: (10 marks)
4. Define the following: (10 marks)
5. Define the following: (10 marks)
6. Define the following: (10 marks)
7. Define the following: (10 marks)
8. Define the following: (10 marks)
9. Define the following: (10 marks)
10. Define the following: (10 marks)



# FACULTY OF PHARMACY

March 1, 2017 11:00 AM - 12:00 PM (1 hour), March 2017

Subject: Toxic Pharmacokinetics and Pharmacodynamics (Drug Monitoring)

Time: 1 hour

Max Marks: 70

Score: \_\_\_\_\_ of questions (100%) (MCQ - A) (Answering 70% questions will pass)

PART - A (11 x 1 = 11 Marks)

1. What is TDM and its indication in TDM?
2. Write a short drug therapy in pharmacokinetics.
3. Write a short drug therapy in pharmacodynamics.
4. Write a short drug therapy in toxicology.
5. Write a short drug therapy in pharmacokinetics.
6. Write a short drug therapy in pharmacodynamics.
7. Write a short drug therapy in toxicology.
8. Write a short drug therapy in pharmacokinetics.
9. Write a short drug therapy in pharmacodynamics.
10. Write a short drug therapy in toxicology.
11. Write a short drug therapy in pharmacokinetics.

PART - B (5 x 14 = 70 Marks)

1. Explain the TDM for monitoring of drugs.
2. Explain the pharmacokinetics and pharmacodynamics.
3. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
4. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
5. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
6. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
7. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
8. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
9. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
10. Explain the drug therapy in pharmacokinetics and pharmacodynamics.
11. Explain the drug therapy in pharmacokinetics and pharmacodynamics.



**INSTITUTE OF PHARMACY**  
**Pharm.D 3 VQI Year 1 Unit Examination, July 2017**

**Subject: Pharmacokinetics and Pharmacodynamics**

**Time: 1 hour**

**Max. Marks: 70**

**Note: answer all questions from Part A and answer any five questions from Part B**

**PART - A (5 x 1 x 1 = 5 Marks)**

1. What is the normal Pharmacokinetic profile for oral?
2. Write orally modified drug formulae in equation.
3. What are the various methods for parent drug used?
4. Write the kind of drug in analgesic.
5. What is a drug that inhibits/ blocks enzyme?
6. What is a drug used?
7. What is a drug?
8. What is a drug?
9. What is a drug?
10. What is a drug?

**PART - B (5 x 14 = 70 Marks)**

11. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
12. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
13. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
14. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
15. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
16. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
17. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
18. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
19. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?
20. (a) What is the mechanism of action of a drug? (b) What is the mechanism of action of a drug? (c) What is the mechanism of action of a drug?



**UNIVERSITY OF BIRMINGHAM**  
**Pharm.D. & MSc Virology and Immunisation, July 2019**

script: 1234567890

Page 1 of 2 pages

Ref: 60191 / 10

Note: please do not write your name on this sheet, try to use a separate sheet for this

**PART - A (1 x 2 = 2 Marks)**

1. Define different types of protein in vaccine
2. What is the main role of adjuvant in vaccine development?  
(in at least 200 words in a 5 min)
3. Explain why the high channel > CDR
4. What is FcγR binding site
5. What is CDR1 and CDR2?
6. What is the role of "good" and "bad" epitopes?
7. What is a "bad" epitope? Give the reason why it is a bad epitope of vaccine adjuvant
8. What is a "good" epitope? Give the reason why it is a good epitope
9. Write the properties of CD and their function for response

**PART - B (5 x 10 = 50 Marks)**

1. Explain the role of the following:
  - a. B cells in the immune system
  - b. T cells in the immune system
  - c. Macrophages in the immune system
  - d. Dendritic cells in the immune system
  - e. Natural killer cells in the immune system
2. Explain the role of the following:
  - a. B cells in the immune system
  - b. T cells in the immune system
  - c. Macrophages in the immune system
  - d. Dendritic cells in the immune system
  - e. Natural killer cells in the immune system
3. Explain the role of the following:
  - a. B cells in the immune system
  - b. T cells in the immune system
  - c. Macrophages in the immune system
  - d. Dendritic cells in the immune system
  - e. Natural killer cells in the immune system
4. Explain the role of the following:
  - a. B cells in the immune system
  - b. T cells in the immune system
  - c. Macrophages in the immune system
  - d. Dendritic cells in the immune system
  - e. Natural killer cells in the immune system
5. Explain the role of the following:
  - a. B cells in the immune system
  - b. T cells in the immune system
  - c. Macrophages in the immune system
  - d. Dendritic cells in the immune system
  - e. Natural killer cells in the immune system



# TRUSTEES OF PHARMACY

Pharm.D 31001 Year 1 Unit Examination, July 2017

Subject: Current Researches on the use of drugs in the treatment of drug addiction

Time: 1 hour

Max Marks: 70

There are 20 questions from Part A and 10 questions from Part B.

PART - A (10 x 1 = 10 Marks)

1. What is the role of the receptor in the development of addiction?
2. What is the significance of the receptor pharmacology?
3. What are the main characteristics of T500?
4. What are the main characteristics of the drug addiction?
5. What are the main characteristics of the drug addiction?
6. What are the main characteristics of the drug addiction?
7. What are the main characteristics of the drug addiction?
8. What are the main characteristics of the drug addiction?
9. What are the main characteristics of the drug addiction?
10. What are the main characteristics of the drug addiction?

PART - B (5 x 10 = 50 Marks)

1. Discuss the role of the receptor in the development of addiction.
2. Discuss the role of the receptor in the development of addiction.
3. Discuss the role of the receptor in the development of addiction.
4. Discuss the role of the receptor in the development of addiction.
5. Discuss the role of the receptor in the development of addiction.
6. Discuss the role of the receptor in the development of addiction.
7. Discuss the role of the receptor in the development of addiction.
8. Discuss the role of the receptor in the development of addiction.
9. Discuss the role of the receptor in the development of addiction.
10. Discuss the role of the receptor in the development of addiction.



## PUBLIC HEALTH

PART - 1: MCQs of the Public Health, Anatomy & Physiology

### Subject Name: Public Health

Page No. \_\_\_\_\_

Page No. \_\_\_\_\_

Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

### PART - 1 (MCQs) (20 Marks)

1. Which of the following is not a function of the public health system? (1)
2. Which of the following is not a function of the public health system? (1)
3. Which of the following is not a function of the public health system? (1)
4. Which of the following is not a function of the public health system? (1)
5. Which of the following is not a function of the public health system? (1)
6. Which of the following is not a function of the public health system? (1)
7. Which of the following is not a function of the public health system? (1)
8. Which of the following is not a function of the public health system? (1)
9. Which of the following is not a function of the public health system? (1)
10. Which of the following is not a function of the public health system? (1)

### PART - 2 (MCQs) (20 Marks)

#### MCQs

11. Which of the following is not a function of the public health system? (1)
12. Which of the following is not a function of the public health system? (1)
13. Which of the following is not a function of the public health system? (1)
14. Which of the following is not a function of the public health system? (1)
15. Which of the following is not a function of the public health system? (1)
16. Which of the following is not a function of the public health system? (1)
17. Which of the following is not a function of the public health system? (1)
18. Which of the following is not a function of the public health system? (1)
19. Which of the following is not a function of the public health system? (1)
20. Which of the following is not a function of the public health system? (1)

# UNIVERSITY OF SOUTHERN CALIFORNIA

UNIVERSITY OF SOUTHERN CALIFORNIA

Office of the Registrar, University of Southern California

Subject: Pharmacology and Therapeutics

Page 1 of 10

Page 1 of 10

THE UNIVERSITY OF SOUTHERN CALIFORNIA GRADUATE SCHOOL

PART - A (10 x 2 = 20 Marks)

1. Define the term 'pharmacokinetics'.
2. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
3. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
4. Define 'pharmacokinetics'.
5. Define 'pharmacodynamics'.
6. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
7. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
8. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
9. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?
10. What is the difference between 'pharmacokinetics' and 'pharmacodynamics'?

PART - B (10 x 2 = 20 Marks)

11. Define the term 'pharmacokinetics'.
12. Define the term 'pharmacodynamics'.
13. Define the term 'pharmacokinetics'.
14. Define the term 'pharmacodynamics'.
15. Define the term 'pharmacokinetics'.
16. Define the term 'pharmacodynamics'.
17. Define the term 'pharmacokinetics'.
18. Define the term 'pharmacodynamics'.
19. Define the term 'pharmacokinetics'.
20. Define the term 'pharmacodynamics'.



# FACULTY OF ENGINEERING

Module: ECTE111 / ECTE112: Engineering Mathematics (Applied Maths)

Applied Maths Exam

Page 1 of 10

Page 1 of 10

Time: 1 hour 15 minutes (including 15 minutes for reading the paper)

ECTE111 - A (14) - 10 Marks

1. Calculate the magnitude of  $\vec{r}$  (1)
2. Calculate the angle between  $\vec{r}$  and  $\vec{s}$  (1)
3. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
4. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
5. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
6. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
7. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
8. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
9. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
10. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)

ECTE112 - B (14) - 10 Marks

11. Calculate the magnitude of  $\vec{r}$  (1)
12. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
13. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
14. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
15. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
16. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
17. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
18. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)
19. Calculate the magnitude of  $\vec{r} \times \vec{s}$  (1)
20. Calculate the magnitude of  $\vec{r} \cdot \vec{s}$  (1)



# FACULTY OF MEDICINE

Faculty of Medicine, University of Malaya (FOMUM)

## Subject: Pharmacology and Therapeutics

Course Code:

Pharm 101

Exam: Answer all questions from Part A. Answer any five questions from Part B.

### PART A (10 x 10 = 100 marks)

1. Define the following: (10)
2. Name the two main types of drug receptors. (2)
3. Define the following: (2)
4. What is the main effect of paracetamol? (2)
5. Name the two main types of drug receptors. (2)
6. Name the two main types of drug receptors. (2)
7. Name the two main types of drug receptors. (2)
8. Name the two main types of drug receptors. (2)
9. Name the two main types of drug receptors. (2)
10. Name the two main types of drug receptors. (2)

### PART B (5 x 10 = 50 marks)

11. Describe the mechanism of action of paracetamol. (10)
12. Describe the mechanism of action of aspirin. (10)
13. Describe the mechanism of action of ibuprofen. (10)
14. Describe the mechanism of action of diclofenac. (10)
15. Describe the mechanism of action of naproxen. (10)
16. Describe the mechanism of action of celecoxib. (10)
17. Describe the mechanism of action of rofecoxib. (10)
18. Describe the mechanism of action of etoricoxib. (10)
19. Describe the mechanism of action of meloxicam. (10)
20. Describe the mechanism of action of lornoxicam. (10)