

FACULTY OF PHARMACY
B. Pharmacy (Pharm. Quality Management) Semester VIII (Part A) Question Paper
 Duration: 100, June 2023
 Subject Code: PHQP0801001



Page No. B.PHQP0801

Total Marks: _____

Max. Marks: 100

Part A: Answer any 10 questions out of 12. All questions carry equal marks.

1. a) Give a list of members of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
2. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
3. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
4. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
5. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
6. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
7. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
8. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
9. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.
10. a) Give a brief description of ICH. b) Give a brief description of ICH. c) Give a brief description of ICH. d) Give a brief description of ICH.



SCHOOL OF PHARMACY

University of Birmingham, Edgbaston, Birmingham, B15 2TT
Edgbaston Avenue

Pharmaceutical Development & Technology Centre

Page 2 of 2

Ref: 1000 00

the University of Birmingham, without using any equipment

1. ☐ 1. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
2. ☐ 2. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
3. ☐ 3. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
4. ☐ 4. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
5. ☐ 5. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
6. ☐ 6. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
7. ☐ 7. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s
8. ☐ 8. Explain the principles of the following:
 - a. ☐ the values of R_p and R_s



July 2004

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

Is Planning Free? **Costs \$500000** - **Revenue \$100,000,000**
(Source: <http://www.fishbase.org>)

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Business Quality Factors and Customer Satisfaction

State of Illinois

Keywords: child abuse; child sexual abuse; child sexual exploitation

[illegible]

Question	Answer	Points
1. Which of the following is a characteristic of a good leader?	He is able to inspire and motivate others.	100%
2. Which of the following is a characteristic of a good leader?	He is able to listen to others and understand their needs.	100%
3. Which of the following is a characteristic of a good leader?	He is able to communicate effectively.	100%
4. Which of the following is a characteristic of a good leader?	He is able to make decisions quickly and effectively.	100%
5. Which of the following is a characteristic of a good leader?	He is able to build a strong team.	100%
6. Which of the following is a characteristic of a good leader?	He is able to handle conflict effectively.	100%
7. Which of the following is a characteristic of a good leader?	He is able to adapt to change.	100%
8. Which of the following is a characteristic of a good leader?	He is able to inspire and motivate others.	100%

20



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विद्यार्थी पहचान पत्र

अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022
अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022
अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

पृष्ठ 1 पृष्ठ 2

पृष्ठ 3 पृष्ठ 4

अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

1. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

2. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

3. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

4. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

5. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

6. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

7. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

8. अ. प्रमाणपत्र (PTI) - फ़ॉर्म (अ) 1 मुख्य शिक्षण विभाग, जून 2022

FACULTY OF PHARMACY

B. Pharmacy I Semester (20) questions to be asked & to be answered

2014/15

Supervisors: Mahamed Ali Saif / Yousuf Ali

Time: 3 Hours

Total Marks: 75

Note: Answer any five questions. All questions carry equal marks

1. a. Classify and briefly discuss common oral contraceptives & select of Pharmacological interactions in the Vaginal contraceptive. 10
 b. Briefly discuss the clinical use of spermicides. 5
2. a. Discuss the technique of pessaries. 5
 b. Briefly discuss the use of pessaries in the treatment of. 5
3. a. Discuss the causes of leucorrhoea. Add a note on treatment. 5
 b. Write a report on the following conditions to test. 5
4. a. Discuss the treatment of gonorrhoea in both symptomatic and asymptomatic. 10
 b. Write a note on leucorrhoea in both symptomatic and asymptomatic. 5
5. a. Classify the leucorrhoea and list of drugs used in the treatment of it. 10
 b. Briefly discuss the treatment of leucorrhoea and gonorrhoea. 5
6. a. Briefly discuss the causes and clinical features of leucorrhoea. 5
 b. Briefly discuss the treatment of leucorrhoea and gonorrhoea. 5
7. a. Briefly discuss the causes of vaginitis. 5
 b. List the drugs used in the treatment of. 5
8. Discuss the treatment of gonorrhoea in both symptomatic and asymptomatic. 10
 a. Write a report on the following conditions to test. 5
 b. Write a report on the following conditions to test. 5

FACULTY OF PHARMACY

B. Pharmacy (Pharm. Quality Assurance) I, Semester (2018 Batch & Revised)

Exam: Online, June 2021

Subject: Product Development & Technology Transfer

Time: 1 hour

Max. Marks: 50

Read answer any five questions. All questions carry equal marks.

1. Give any three (3) reasons why a drug is not marketed.
a) New formulation being developed
b) New drug formulation is in R&D and B&B stage. (3+3)
2. What is a patent? Define.
a) It is a legal right granted to an inventor or his estate or his assigns in the country for the period of a fixed period.
b) It is a right granted to an inventor or his estate or his assigns in the country for the period of a fixed period.
3. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
4. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
5. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
6. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
7. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
8. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
9. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
10. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
11. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
12. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
13. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
14. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
15. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
16. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
17. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
18. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
19. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)
20. Give the correct up to date regulatory authorities.
a) FDA, EMA, WHO, ICH, etc. (3+3)



SEM 2023-24

TAFE NSW

6 Phosphate + 4 Ammonia + 2 Calcium + 10 Hydrogen + 10 Oxygen + 10 Nitrogen + 10 Carbon + 10 Sulfur + 10 Chlorine + 10 Fluorine + 10 Iodine + 10 Bromine + 10 Astatine + 10 Francium + 10 Radium + 10 Actinium + 10 Thorium + 10 Protactinium + 10 Uranium + 10 Neptunium + 10 Plutonium + 10 Americium + 10 Curium + 10 Berkelium + 10 Californium + 10 Einsteinium + 10 Fermium + 10 Mendelevium + 10 Nobelium + 10 Lawrencium + 10 Rutherfordium + 10 Dubnium + 10 Seaborgium + 10 Bohrium + 10 Hassium + 10 Meitnerium + 10 Darmstadtium + 10 Roentgenium + 10 Copernicium + 10 Nihonium + 10 Flerovium + 10 Tennessine + 10 Oganesson

Small square formulae: $CaCO_3$, $NaCl$, H_2O , CH_4 , N_2 , O_2 , F_2 , Cl_2 , Br_2 , I_2 , At_2 , Fr , Ra , Ac , Th , Pa , U , Np , Pu , Am , Cm , Bk , Cf , Es , Fm , Md , No , Lr , Rf , Db , Sg , Bh , Hs , Mt , Ds , Rg , Cn , Nh , Fl , Ts , Og

Small square formulae

Small square formulae

Small square formulae: $CaCO_3$, $NaCl$, H_2O , CH_4 , N_2 , O_2 , F_2 , Cl_2 , Br_2 , I_2 , At_2 , Fr , Ra , Ac , Th , Pa , U , Np , Pu , Am , Cm , Bk , Cf , Es , Fm , Md , No , Lr , Rf , Db , Sg , Bh , Hs , Mt , Ds , Rg , Cn , Nh , Fl , Ts , Og

1. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
2. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
3. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
4. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
5. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
6. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
7. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)
8. a) Explain the structure of the atom with suitable examples.
b) Draw and explain the structure of an AM atom in the context of the Bohr model. (2+2)

Small square formulae

Small square formulae



FACULTY OF ENGINEERING

6. Name of the Quality Standard / Standard / ISO / Testing / Certification
 November 2022

Isolated Quality Management System

Year: 2022

Page: 1 of 1

Now, answer any five questions. All questions carry equal marks.

1. a) Define quality management system certification. 10
 b) Define the purpose of a quality management system. 10
2. a) Define the role of a manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
3. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
4. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
5. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
6. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
7. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10
8. a) Define the role of a quality manager in a quality management system. 10
 b) Define the role of a quality manager in a quality management system. 10



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U.S. Pharmac. Corp., 1000 N. 17th St., Kenilworth, N.J. 07033

Indexed, Quoted Entries and Quoted Sub-entries

Learning Objectives

Author's address: Department of Psychology, University of Illinois at Chicago, 608 S. Morgan St., Chicago, IL 60607-7199, USA.

Table 1. Summary of the study variables.

1. Differentiate quality control and quality assurance. Describe the importance and inclusion of quality control and quality assurance. [10]
2. Define Quality Management. Provide an example of a product or service that is subject to quality management. [10]
3. Define the term Total Quality Management (TQM). Provide an example of a product or service that is subject to TQM. [10]
4. Write a short note on:
 - (a) Quality Control
 - (b) Quality Assurance
5. Write a short note on the importance of quality management. [10]
6. (a) Describe the importance of quality management. [10]
7. (b) Write a short note on the importance of quality management. [10]
8. (a) Write a short note on the importance of quality management. [10]
9. (b) Write a short note on the importance of quality management. [10]
10. Write a short note on the importance of quality management. [10]



FACULTY OF PHARMACY

B. Pharmacy (Pharm Quality Assurance) / Semester 6C / Seating Examination
November 2021

Subject: Product Development and Technology Transfer

Time: 1 hour

Max. marks: 100

Note: Answer any five questions. All questions carry equal marks.

1. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
2. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
3. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
4. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
5. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
6. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
7. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)
8. (a) What is a PMA, what does it mean, name products in the UK? (10)
(b) What is a PMA, what does it mean, name products in the UK? (10)



USP/001/2-2021/2022

Faculty of Science and Technology

Bachelor of Science (BSc) Honours in Applied Science & Technology
 3rd Year

Applied Science Honours (Honours) in Applied Science

1st Year 1st Semester

USP/001/2-2021/2022

Note: Answer any Five Questions. 10 Questions over Equal marks.

1. a) Define and discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
2. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
3. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
4. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
5. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
6. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
7. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)
8. a) Discuss the concept of a system. (10 marks)
- b) Discuss the concept of a system. (10 marks)



1008102-2-000-0002

FACULTY OF PHARMACY

M. Pharmacy (Quality Assurance) Semester 2018 (Part 5) Final Examination
 May 2019
 Export quality management systems

Time: 2 hours

Max. Marks: 11

Note: answer every question in all questions are compulsory.

1. a) What is the importance of ISO 9001? b) How is the quality management system implemented? c) What is the role of a quality manager? 10
2. a) What is the importance of ISO 14001? b) How is the environmental management system implemented? c) What is the role of a quality manager? 10
3. a) What is the importance of ISO 22000? b) How is the food safety management system implemented? c) What is the role of a quality manager? 10
4. a) What is the importance of ISO 26000? b) How is the social responsibility management system implemented? c) What is the role of a quality manager? 10
5. a) What is the importance of ISO 27001? b) How is the information security management system implemented? c) What is the role of a quality manager? 10
6. a) What is the importance of ISO 28000? b) How is the supply chain management system implemented? c) What is the role of a quality manager? 10
7. a) What is the importance of ISO 31000? b) How is the risk management system implemented? c) What is the role of a quality manager? 10
8. a) What is the importance of ISO 34000? b) How is the intellectual property management system implemented? c) What is the role of a quality manager? 10
9. a) What is the importance of ISO 38000? b) How is the procurement management system implemented? c) What is the role of a quality manager? 10
10. a) What is the importance of ISO 40000? b) How is the human resources management system implemented? c) What is the role of a quality manager? 10



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M. Thomson (fluent), Gailly J. (non-fluent), November 2001, *Int'l J. of Bilingualism*
 Paris, France, 2004-2005.

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08-2024-196

Table 1. Summary of the 2006–2007 season. All positions were occupied by 10–15 females

- | | |
|---|--|
| 1. What is the relationship between GDP and GDP deflator? What is the difference between nominal GDP and real GDP? How is the GDP deflator calculated? (10) | |
| 2. Give the formulae for:
a) Gross Domestic Product
b) Consumer Price Index
c) GDP deflator (10) | |
| 3. Write a short essay on the concept of money (1000 words). Define:
a) Money
b) Demand (10) | |
| 4. Explain the relationship between the GDP deflator and the CPI (10) | |
| 5. Discuss the relationship between the concept of money and the concept of demand (10) | |
| 6. Define the concept of:
a) GDP
b) GDP deflator (10) | |
| 7. What is the role of the GDP deflator?
a) Measure of price level
b) Measure of inflation (10) | |
| 8. What is the role of the GDP deflator?
a) Measure of price level
b) Measure of inflation (10) | |



2018-19-0-000000

FACULTY OF PHARMACY

400 University Gateway, Winnipeg, MB R6T 5R6
 204-784-5722

APPROVED LEARNING OUTCOMES

Pharm 2000

Pharm 2000

Students will be able to: All questions are equal in weight.

Pharm 2000

1. a) Phosphorus is a non-metallic element. (10)
- b) Phosphorus is a non-metallic element. (10)
2. a) Phosphorus is a non-metallic element. (10)
- b) Phosphorus is a non-metallic element. (10)
3. a) Phosphorus is a non-metallic element. (10)
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- b) Phosphorus is a non-metallic element. (10)
7. a) Phosphorus is a non-metallic element. (10)
- b) Phosphorus is a non-metallic element. (10)
8. a) Phosphorus is a non-metallic element. (10)
- b) Phosphorus is a non-metallic element. (10)



PROFESSIONAL SKILLS

McFlannery Plastics Quality Management System (QMS) Case

Examination, May 2025

Quality Management Systems

Question	Answered By
1. a) Explain why true cost accounting is important. (2x14 = 28 marks)	
b) Explain the importance of the cost of quality (COQ) statement to the company.	
c) Explain the concept of the cost of quality (COQ) statement based on (12) (12)	
2. a) Define management of risk as per ISO 9001:2015. (8)	
b) Explain the role of a risk register in the risk management process. (2)	
3. a) Explain the role of a risk register in the risk management process. (2)	
b) Explain the role of a risk register in the risk management process. (2)	
4. a) Explain the role of a risk register in the risk management process. (2)	
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8. Explain the role of a risk register in the risk management process. (2)	
9. Explain the role of a risk register in the risk management process. (2)	
10. Explain the role of a risk register in the risk management process. (2)	



Health and Family Welfare

Ministry of Health and Family Welfare

Ministry of Health and Family Welfare
Government of India

Topic: Health and Family Welfare
Time: 1 hour

Ques. Answer any five from the following questions. (5 x 15 = 75 Marks)

1. Explain the concept of health and family welfare.
2. Explain the concept of health and family welfare.
3. Explain the concept of health and family welfare.
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11. Explain the concept of health and family welfare.
12. Explain the concept of health and family welfare.
13. Explain the concept of health and family welfare.
14. Explain the concept of health and family welfare.
15. Explain the concept of health and family welfare.



Page No. _____

Page No. _____

With the help of the following questions, answer the following questions.

Subject: Product Development and Technology Transfer

Time: 1 hour

Max Marks: 15

Q1. Answer any five from the following questions.

5 x 3 = 15 Marks

1. a. Define NPD. Explain its various phases in brief. (5M)
b. Define LDC. Explain its various phases in brief. (5M)
2. a. Explain the importance of a design team in a product development project. (5M)
b. Explain the importance of a design team in a product development project. (5M)
3. a. Explain the importance of a design team in a product development project. (5M)
b. Explain the importance of a design team in a product development project. (5M)
4. a. Explain the importance of a design team in a product development project. (5M)
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8. a. Explain the importance of a design team in a product development project. (5M)
b. Explain the importance of a design team in a product development project. (5M)
9. a. Explain the importance of a design team in a product development project. (5M)
b. Explain the importance of a design team in a product development project. (5M)
10. a. Explain the importance of a design team in a product development project. (5M)
b. Explain the importance of a design team in a product development project. (5M)



PHYSICS 101 - PHYSICS

K. Hargrave - (contact: Hargrave@bham.ac.uk) - (see: Hargrave@bham.ac.uk)

Subject: Modern Physics and Quantum Mechanics

Year: 10101

Year: 10101

Topic: Quantum Mechanics

(10101-10101)

1. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
2. (a) Derive the wave function $\psi(x)$ for a particle in a potential well. (b) Derive the probability density $|\psi(x)|^2$ for a particle in a potential well.
3. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
4. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
5. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
6. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
7. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.
8. (a) Plot the wave function $\psi(x)$ for a particle in a potential well. (b) Plot the probability density $|\psi(x)|^2$ for a particle in a potential well.



SCHOOL OF PHARMACY

R. Wainwright (r.wainwright@bham.ac.uk) - Senior Lecturer (Pharmaceutical Development)
January 2023

Subject: Pharmaceutical Analytical Techniques

Time: 1 hour

(Max. Marks: 15)

Task: Answer any five questions, all questions carry equal marks

1. (a) What is a standard deviation? (2 marks)
(b) What are the implications of standard deviation? (3 marks)
2. (a) Explain the principle of titrimetry. (2 marks)
(b) What are the advantages of titrimetry? (3 marks)
3. (a) Explain the principle of chromatography. (2 marks)
(b) What are the advantages of chromatography? (3 marks)
4. (a) Explain the principle of mass spectrometry. (2 marks)
(b) What are the advantages of mass spectrometry? (3 marks)
5. (a) Explain the principle of infrared spectroscopy. (2 marks)
(b) What are the advantages of infrared spectroscopy? (3 marks)
6. (a) Explain the principle of ultraviolet-visible spectroscopy. (2 marks)
(b) What are the advantages of ultraviolet-visible spectroscopy? (3 marks)
7. (a) Explain the principle of nuclear magnetic resonance spectroscopy. (2 marks)
(b) What are the advantages of nuclear magnetic resonance spectroscopy? (3 marks)
8. (a) Explain the principle of X-ray diffraction. (2 marks)
(b) What are the advantages of X-ray diffraction? (3 marks)



UNIVERSITY OF BIRMINGHAM

FACULTY OF BUSINESS

B.Com. (Hons.) Degree (Accounting) - Semester 2020/2021
 Examination, December 2021
 22240: Supply, Demand and Quality Assessment

Time: 2 hours

Max. marks: 110

Help: Answer any five questions. All questions carry equal marks.

1. Name a data source for any one of the questions of 100 marks and state its potential limitations. (10)
2. Give an illustration of
 - (a) Perfect competition
 - (b) Monopoly and natural monopoly
 - (c) Oligopoly
 (10)
3. Plot a short-run cost curve for a firm. Mark the short-run cost curve. (10)
4. Explain the relationship between short-run and long-run cost curves. (10)
5. Explain the relationship between short-run and long-run cost curves. (10)
6. Plot a short-run cost curve for a firm. Mark the short-run cost curve. (10)
7. Plot a short-run cost curve for a firm. Mark the short-run cost curve. (10)
8. Plot a short-run cost curve for a firm. Mark the short-run cost curve. (10)



Control Sheet No. 12

FACULTY OF PHARMACY

M. Pharmacy (Pharm. Quality Assurance) / Semester (PC) / Second
Examination, December 2022
Subject: Quality Management Systems

Time: 2 hours

Assessment: 12

NOTE: Answer any five questions. All questions carry equal marks.

1. a) a) Give a brief definition of quality. b) Define the term 'Total Quality Management'. 10
2. a) Define the process of TQM. b) Explain the importance of TQM in the pharmaceutical industry. 10
3. a) Define the term 'Quality Assurance'. b) Explain the difference between Quality Assurance and Quality Control. 10
4. a) Define the term 'Quality Control'. b) Explain the difference between Quality Control and Quality Assurance. 10
5. a) Define the term 'Quality Improvement'. b) Explain the difference between Quality Improvement and Quality Assurance. 10
6. Explain the importance of TQM in the pharmaceutical industry. 10
7. a) Define the term 'Quality Control'. b) Explain the difference between Quality Control and Quality Assurance. 10
8. Explain the importance of TQM in the pharmaceutical industry. 10



UNIVERSITY OF BIRMINGHAM

SCHOOL OF MANAGEMENT

B. Sc. (Hons) Management (BSc Management) - Year 1 (2021/22)
 Examination, December 2021
 Major Project Development and Management (MGT2000)

Time: 2 hours

Mark: 100%

Note: Answer any five questions. All questions carry equal marks

1. a) Define (10%) three incremental benefits for City of BCoA. (3)
- b) Define the value of a product/service provided by BCoA. (3)
2. a) Explain the significance of service as a business (10%) (10)
- b) Explain the significance of service as a business (10%) (10)
3. a) Explain (10%) the significance of service as a business (10%) (10)
- b) Explain (10%) the significance of service as a business (10%) (10)
4. a) Explain (10%) the significance of service as a business (10%) (10)
- b) Explain (10%) the significance of service as a business (10%) (10)
5. a) Explain (10%) the significance of service as a business (10%) (10)
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6. a) Explain (10%) the significance of service as a business (10%) (10)
- b) Explain (10%) the significance of service as a business (10%) (10)
7. a) Explain (10%) the significance of service as a business (10%) (10)
- b) Explain (10%) the significance of service as a business (10%) (10)
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- b) Explain (10%) the significance of service as a business (10%) (10)