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Total Number of Pages: 2

B.PHARM

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PH. 6.1

6th Semester Regular / Back Examination 2016-17

PHARMACEUTICS-V

(Pharmaceutical Technology- II)

BRANCH: Pharmacy

Time: 3 Hours

Max Marks: 70

Q.CODE: Z118

Answer Question No.1 which is compulsory and any five from rest.

The Figures In the right hand margin indicate marks.

1. Answer the following questions (2×10)

- a) Give a flow diagram for manufacture of parenteral products.
- b) Give two examples of water soluble and water insoluble polymers used as coating material's for microencapsulation
- c) What is clean room 100 and 10,000?
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- d) What are different parts of aerosol package?
- e) What are criteria for selection of nonaqueous vehicle for parenteral preparation? Give two examples of it.
- f) Differentiate between Blister packaging and strip packaging.
- g) Ophthalmic product should be _____ with lachrymal secretions to avoid _____ and _____
- h) Write any 4 ways of phase separation occurs in coacervation phase separation method.
- i) Mention the core materials used for microencapsulation and write the application of microencapsulation.
- j) Name the types of glass used for parenteral preparation.

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2. Discuss in detail about vehicles and adjuvant used in formulation of parenteral. (10)
3. Define microencapsulation. Discuss the air suspension method used for preparation of microencapsulation with neat labeled diagram (10)
4. a) Classify the propellants with suitable examples and write the methods used in manufacturing aerosols. (5)
b) Write notes on evaluation of aerosols. (5)
5. What is pharmaceutical packaging? Briefly discuss the factors influencing choice of containers. Elaborate on stability aspects of packaging. (10)
6. a) Write notes on core material and coating material used for microencapsulation. (5)
b) Define aseptic condition. Discuss briefly designing of an aseptic area. (5)
7. Describe briefly on the following
a) Contact lenses. <http://www.bputonline.com> (5)
b) Requirements of Ophthalmic products. (5)
8. a) Briefly explain manufacturing of parenteral preparation. (5)
b) Define pyrogen. Give it significant. Write notes on pyrogen test. (5)

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