Total No. of printed pages = 3

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2021

B.Pharm (Practice) 2nd Year End-Term Examination

PHARMACY PRACTICE — IV – THEORY

Full Marks – 60   Time – Three hours

The figures in the margin indicate full marks
for the questions.

1.   Answer the following questions : $(10 \times 1 = 10)$

   (i)   P value <0.05 indicates which of the following?

   (a)   0.05 % Confidence Interval

   (b)   5% Confidence Interval

   (c)   95% Confidence Interval

   (d)   50% Confidence Interval

   (ii)   The following statistical test is preferred in case of larger sample size n>30

   (a)   z Test

   (b)   t-test

   (c)   f-test

   (d)   Chi square test

   (iii) The tailoring of medical treatment to the specific characteristics of each
          patient is known as—————

   (a)   Genomics

   (b)   Proteomics

   (c)   Individualized Therapy

   (d)   None of These

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(iv) The following isotope(s) is radio active —————

    (a)   Tritium

    (b)   Chlorine-36

    (c)   Carbon -14

    (d)   All of the above

(v) Which of the following gas is called laughing gas?

    (a)   Oxygen

    (b)   Nitrogen

    (c)   Nitrous oxide

    (d)   Helium

(vi) Which of the following is isotonic solution?

    (a)   0.9% normal saline

    (b)   0.87% normal saline

    (c)   0.5% normal saline

    (d)   0.1% normal saline

(vi) 50% dextrose is called as —————

    (a)   Hypotonic solution

    (b)   Hypertonic solution

    (c)   Isotonic solution

    (d)   None of the above

(vii) What is informed consent? Choose the correct answer.

    (a)   The subjects do not know which study treatment they receive

    (b)   Patients injected with placebo and active doses

    (c)   Fake treatment

    (d)   Signed document of the recruited patient for the clinical trial procedures

(ix) ANDA is for which of the following?

    (a)   Generic drug approval

    (b)   Clinical trial

    (c)   Preclinical trial

    (d)   All of the above

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(x) Prolong use of Bed pans can cause —————

    (a) Pressure ulcers

    (b) Headache

    (c) Nausea and vomiting

    (d) None of the above

2. Answer the following questions (any *six*) :   (6 × 5 = 30)

    (a) Describe the role of pharmacists in pharmaceutical waste management in hospitals and community pharmacy.   (5)

    (b) What do you mean by test of significance? Give sequentially the different steps in testing a hypothesis.   (1 + 4)

    (c) Write in short the different parametric test used in Biostatistics.   (5)

    (d) Define a clinical thermometer. Give the working principle and safety utility of a clinical thermometer.   (1 + 4)

    (e) Write in brief on various aspects of Individualized medicines and Gene Therapy.   (5)

    (f) Define radiopharmaceuticals. List out different radioisotopes used in diagnostic purpose.   (1 + 4)

    (g) Explain elaborately about the uses of different medical gases in hospital.   (5)

    (h) Write a note on good clinical practice.   (5)

3. Answer the following questions (any *two*) :   (2 × 10 = 20)

    (a) Define Clinical trials. Explain the different phases of Clinical trials. Describe the different methods of post marketing surveillance.

        (2 + 4 + 4)

    (b) Define canes. What are the different types of canes? Write the Safety and caution of using Canes.   (1 + 4 + 5)

    (c) Write a note on the following (any *two*) :   (5 + 5)

        (i) Research in Pharmacy practice areas

        (ii) Continuing education for pharmacists

        (iii) I.V. pumps

    (d) Define total parenteral nutrition. Give the composition and clinical uses of total parenteral nutrition.   (1 + 4 + 5)

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