



Kisan Vidya Prasarak Sanstha's

INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: First Y. B. Pharm

Sub: Pharmacognosy-I

Semester: I

Date: 04/10/16

Time: 1:00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark)

- a) Who is Father of Medicine? Why?
- b) Define unorganized crude drug with example.
- c) What is Drying? Enlist its type.
- d) Give biological source with suitable example.
- e) Enlist Intrinsic factor affecting Crude drug.
- f) What is taxon?

(06)

Q] 2. Solve any two. (Each 4 mark)

- a) Write short note on Ash Value and its Type.
- b) What are different sources of crude drug? Explain with suitable example.
- c) Write short note on scope of pharmacognosy.
- d) Write short note on collection and processing of crude drug.

(08)

Q] 3. Solve any one. (Each 06 mark)

- a) Define cultivation. Explain in detail Extrinsic factors affecting cultivation.
- b) Define plant taxonomy. Describe in detail morphological characters of plant family Liliaceae and Labiateae with suitable example

(06)

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: F.Y.B.Pharm.
Sub: Pharmaceutical Chemistry-I
Semester: 1st

Date: 05 /10/2016
Time: 1: 00 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q 1. Solve any three.

06

- a) Define achlorohydria. How it is treated ?
- b) Enlist four official compound of calcium.
- c) Define with examples of Lewis acid and Base.
- d) Give the ideal properties of Antacids.
- e) Define Buffer capacity with its Equation.

Q 2. Solve any two

08

- a) Explain methods of Water Softening.
- b) Write a note on Limit test for chloride.
- c) Discuss sources of impurities in Pharmaceutical.
- d) Explain MOA of Buffer.

Q 3. Solve any One

06

- a) Write a short Note on Antacids
- b) Explain Limit test for arsenic in detail with diagram

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: S.Y.M.Pharm.

Sub: Pharmaceutical Chemistry –IV (O.C.-II)

Semester: III

Date: 04/10/2016

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q1 Solve any Three.

06

- a) Explain electronegativity with example.
- b) Explain photofries rearrangement..
- c) What is acid and base?
- d) Explain benzoin condensation.
- e) Explain Schmidt rearrangement.

Q 2 Solve any two

08

- a) Describe Beckmann rearrangement.
- b) Explain resonance with resonance rule.
- c) Draw the structure of following i) Indole ii) Quinoline iii) pyrrole iv) benzimidazole
- d) Explain Reformatsky rearrangement

Q 3 Solve any One

06

- a) Explain Hoffmann rearrangement with mechanism.
- b) Explain aromaticity with huckel rule.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: S.Y.B.Pharm.

Sub: Pharmacognosy –IInd

Semester: III

Date: 05/10/2016

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q1 Solve any Three.

06

- a) Give the B.S and CC of Silk.
- b) Mention the Gold beater skin tests of tannins.
- c) What is extraction? Enlist the different methods of extraction.
- d) Define and classify fibres.
- e) Write the B.S and C.C of turmeric.

Q 2 Solve any Two

08

- a) Describe the pharmacognosy of Podophyllum.
- b) Write a short note on Maceration & Percolation.
- c) Define tannins? Give its extraction methodology and analysis of tannins.
- d) Explain in details pharmacognostical features of Clove.

Q 3 Solve any One

06

- a) Describe the preliminary phytochemicals investigation of crude drugs.
- b) What are volatile oils? Give its classification, methods of preparation and analysis.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Final.Y. B. Pharmacy
Sub: Pharmaceutical Chemistry - VIII
Semester: VII

Date: 04/10/16
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three. (Each 2 marks) (06)

- a) Draw the structure of Phenobarbital and amphetamine.
- b) Explain SAR of Hydaintoin.
- c) Outline the synthesis of nitrazepam.
- d) Write a note on inhalation anesthetics.
- e) Give the MOA of antidepressants'.

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Explain anti-parkinsonism
- b) Write a note on CNS stimulants.
- c) Explain SAR of barbiturates
- d) Write a note on tricyclic antidepressants.

Q] 3. Solve any one. (Each 6 mark) (06)

- a) Classify hypnotics and sedatives with MOA.
- b) Classify anti-psychotics with MOA

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Final.Y. B. Pharmacy
Sub: Pharmaceutical Chemistry - VIII
Semester: VII

Date: 04/10/16
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three. (Each 2 marks) (06)

- a) Draw the structure of Phenobarbital and amphetamine.
- b) Explain SAR of Hydaintoin.
- c) Outline the synthesis of nitrazepam.
- d) Write a note on inhalation anesthetics.
- e) Give the MOA of antidepressants.

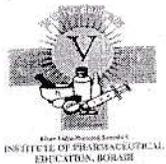
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- a) Classify hypnotics and sedatives with MOA.
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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Second.Y. B. Pharmacy
Sub: Pharmaceutical Microbiology
Semester: IV

Date: 21 /03 /2017
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three.

(06).

- a. Define Numerical aperture and Resolution.
- b. Differentiate between Eukaryotic and Prokaryotic Micro Organisms.
- c. Give the functions of ribosomes and fimbriae of a bacterial cell.
- d. What is TDT and TDP?
- e. Write the characteristics of ideal disinfectant.

Q] 2. Solve any two.

(08)

- a) Write the Principle, Construction and Working of Fluorescence Microscope.
- b) Define Flagellum. Discuss structure, various parts and functions of flagellum of a bacterial cell.
- c) Write a note on Antigen and Antibody.
- d) Discuss various methods of dry heat sterilization in detail.

Q] 3. Solve any one.

(06)

- c) Define Immunity. Discuss various types of Immunity.
- d) What is electron Microscope? Write Types, Principle, Construction and Working of Electron Microscope

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INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: S.Y.B. Pharmacy
Sub: Pharma. Chem.-V (Biochemistry)
Semester: IVth

Date: 24/03/17
Time: 1: 00 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Structure to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 02 mark) (06)

- a) Define and give role of carbohydrates.
- b) Define saponification value and rancidity.
- c) Draw the structure Maltose and Sucrose.
- d) Enlist functions of lipids.
- e) Which part of cell is called is called suicidal bag? Why?

Q] 2. Solve any two. (Each 04 mark) (08)

- a) Enlist the various chromatographic technique and add a note on ion exchange chromatography.
- b) Explain the gluconeogenesis pathway.
- c) Write a short note on biomembrane and nucleus.
- d) Give classification of amino acids according to nutritional classification.

Q] 3. Solve any one. (Each 06 mark) (06)

- a) Write a note on structure, biochemical functions & deficiency manifestation of vitamin A.
- b) Describe in detail various structural forms of proteins.

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INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: T. Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 22/03/17
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any five. (Each 2 mark) (06)

- a) Define and classify Uterine stimulants with suitable examples.
- b) Classify anti-asthmatic agents.
- c) Define and classify anxiolytics with suitable examples.
- d) Define and classify neurotransmitter with suitable example.
- e) Explain the different preparations of rapid and intermediate acting insulins.

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Classify antiparkinsonian drugs? Give the pharmacological action of Levodopa.
- b) Write a note on Male and Female Sex hormones.
- c) Explain anti-thyroid agents.
- d) Explain the pharmacology of Ethanol.

Q] 3. Solve any one. (Each 6 mark) (06)

- a) Classify sedative and Hypnotics? Describe in details MOA, pharmacological action, adverse effect and therapeutic uses of phenobarbitone.
- b) What is bioassay? Give principles and explain the different methods of Graded bioassay.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Third Y. B. Pharm

Sub: Pharmacognosy-V

Semester: VI

Date: 23/03/17

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark)

(06)

- a) Define glycoside. enlist its classification
- b) Give chemical structure of Beta carotene
- c) What is Isoprene rule?
- d) Draw structure of sennoside.
- e) Give biological source and uses of sarasparila
- f) Give biological source and uses of ephedra.

Q] 2. Solve any two. (Each 4 mark)

(08)

- a) Define terpenoides. Give its classification on the basis of functional group.
- b) Give chemistry and biogenesis of monoterpene.
- c) Explain in brief chemistry and biogenesis of papaverine
- d) Define carotenoide . give its isolation process

Q] 3. Solve any one. (Each 06 mark)

(06)

- a) Give in detail chemistry biogenesis, chemistry and pharmacological activity of Indole alkaloide.
- b) Give in detail chemistry biogenesis and pharmacological activity of triterpenoid.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2015/2016/2017.

Year: Final year B. Pharmacy
Sub: Packaging technology
Semester: VIII

Date: 25/03/17
Time: 1hr
Marks: 20

- *Do not write anything on question paper except seat no.
- *All questions are compulsory.
- *Figures to the right indicate full marks.
- *Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 marks)

(06)

- a. Define packaging give its important
- b. Write down the comparison of glass container with others
- c. Give the characteristics of packaging
- d. Give ~~properties and types of glass~~ *Define design and give its advantages*
- e. Define plastics and write down the advantages over the glass containers

Q] 2. Solve any two. (Each 4 mark)

(08)

- a. Explain the types of packaging in detail.
- b. Write down FDA guideline for packaging
- c. write in detail about special pharmaceutical containers
- d. Give ~~var~~ types of plastic with example.

Q] 3. Solve any one. (Each 6 mark)

(06)

- a. Explain ~~ed~~ in detail glass manufacturing process.
- b. Explain ~~ed~~ package as a contaminator in an environment

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

(Improvement)

Year: Final Y. B. Pharmacy
Sub: Pharmaceutics-IX
Semester: VIIIth

Date: 20/03/17
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Attempt any three. (Each 2 mark)

(06)

- a) Define Targeted drug delivery system and Enlist the classification of TDDS with example.
- b) Draw a neat labelled diagram of Franz Diffusion Cell
- c) Give Advantages and Disadvantages of Transdermal drug delivery system
- d) Define the term-1. Floating time 2. Sublingual Drug delivery system
- e) Enlist the Additives required for Nasal drug delivery system

Q] 2. Attempt any two. (Each 4 mark)

(08)

- a) Note on – Intra uterine Devices
- b) Explain the term- Colon as a targeted drug delivery system
- c) Comment on – Penetration Enhancers
- d) Discuss the anatomy and physiology of Pulmonary drug delivery system

Q] 3. Attempt any one. (Each 6 mark)

(06)

- a) Give the formulation approaches for GRDDS
- b) Comment on – *in-vitro* evaluation of transdermal patches

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C. Improvement

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Second Year B. Pharm.

Sub: Pathophysiology- II

Semester: IV

Date: 3/03/2017

Time: 1 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q1. Solve any Three out of following (06)

1. Give Different between Dwarfism and Gigantism.
2. What is Atelectaxis ?.
3. What is Hyperglycemia and Hypoglycemia ?.
4. Comment on Glycosuria, mention its causes.
5. Explain Nephrotic Syndrome.

Q2. Solve any TWO out of following (08)

1. What is Myocardial Infraction.
2. Explain Hirsuitism and Gynecomastia.
3. Defins and explain Food-poisoning.
4. Define & Classify Angina Pectoris, explain its pathophysiology.

Q3. Solve any ONE out of following (06)

1. Define Asthama, explain in detail its Pathophysiology and Treatment.
2. Explain CCF, its types, pathophysiology and treatment.

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Improvement



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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

Year: Second.Y. B. Pharmacy
Sub: Pharmaceutical Microbiology
Semester: IV

Date: 21 /03 /2017
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three. (06).

- a) Define Microbiology and Enlist various applied branches of Microbiology.
- b) Why viruses are known as acellular micro organism?
- c) How Magnification of Microscope is determined?
- d) Give the functions of flagellum and cell wall of a bacterial cell.
- e) What is D-Value? How it is calculated?

Q] 2. Solve any two. (08)

- a) Write the scope of microbiology in Pharmaceutical Science.
- b) Define Virus. Explain structure and different types of viruses.
- c) Write a note on reproduction in bacteria.
- d) Discuss types, mode of action and application of radiation sterilization.

Q] 3. Solve any one. (06)

- a) Define Light microscope .State the types of Light microscope. Add note on Bright field microscope.
- b) Define bacteria. Draw a well labeled Structure and various parts of bacteria in detail.

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Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2016/2017

(Improvement)

Year: T.Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 20/03/17
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any five. (Each 2 mark)

(06)

- a) Define neurotransmitter with example?
- b) Define & Classify antidepressant drugs?
- c) Define Pain? Give the Pathophysiology of pain.
- d) Define & Classify Oral hypoglycemic agents.
- e) Define & Classify anti-thyroid drugs.

Q] 2. Solve any two. (Each 5 mark)

(08)

- a) Define general anaesthetics? Explain the stages of general anaesthesia.
- b) Describe in details MOA, pharmacological action & therapeutic uses of Chlorpromazine.
- c) Write a note on oral contraceptives.
- d) Define bioassay? Explain the different methods of bioassay.

Q] 3. Solve any one. (Each 10 mark)

(06)

- a) Classify hypnotic and sedatives? Describe in details MOA, pharmacological action, therapeutic uses and adverse effect of Benzodiazepins.
- b) Classify Uterine stimulants? Give the MOA, pharmacological action and therapeutic uses and preparations of oxytocin.

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(Improvement)

Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B. PHARM.)
INTERNAL SESSIONAL EXAMINATION 2015/2016

Year: T.Y.B. Pharmacy
Sub: Pharmaceutical Chemistry-VII
Semester: VIth

Date: 27/3/017
Time: 1: 00 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 02 mark) (06)

- a) Give an outline synthesis of Albendazole with IUPAC name
- b) Write note on co-trimaxazole
- c) Why sulphonamides causes crystalurea.
- d) Write synthesis and IUPAC of tinidazole.
- e) Define antiseptic and disinfectant with suitable example.

Q] 2. Solve any two. (Each 04 mark) (08)

- a) Define and classify antifungal agent with suitable examples from each class and explain how these agent acts.
- b) Write synthesis and MOA of metronidazole.
- c) Write a note on quinoline antibacterial.

Q] 3. Solve any one. (Each 06 mark) (06)

- c) Classify sulfonamides with suitable example and write about SAR and MOA of same.
- d) Define and classify antihelmintic agents with suitable examples from each class. Give an outline synthesis of mebendazole.

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Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B. PHARM.)
SECOND SESSIONAL EXAMINATION 2017/2018

Year: First Year B. Pharmacy
Sub: Environment science
Semester: IInd

Date: 07/04/18
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any one questions.

(10)

- a) Define Ecosysteme, Descrieb types, structure and function of Ecosysteme.
- b) What is Air Pollution, explain causes and control measures for Air Pollution.
- c) What are natural resources? Descrieb various problems associated with it.

Q] 2. Solve any four. (Each 04 mark)

(20)

- a) Write in detailed about Renewable and nonrenewable resources.
- b) Discuss the role of individual in conservation of naturan resources.
- c) Explain Aquatic Ecosysteme in detail.
- d) Write a short note on Pollutants.
- e) Explain in deatail about nature of environmental studies.
- f) Enlist and explain the various Ecosystemes.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: S.Y B. Pharm.

Sub: Pathophysiology II

Semester: IV

Date: 7/04/2018

Time: 1 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q1. Solve any Three out of following

(06)

1. Define Cancer and enlist its types.
2. Give Different between Hypothyroidism and Hyperthyroidism.
3. What is Gynacomastia ?
4. Note on Gigantism.
5. Define and enlist types of UTI.

Q2. Solve any TWO out of following

(08)

1. What is SARS? describe in detail.
2. Explain in detail disorders of Thyroid Gland.
3. Give Pathophysiology of Acute Respiratory Failure.
4. Note on Tuberculosis.

Q3. Solve any ONE out of following

(06)

1. What is Diabetes Malitus? Give its etiology, Sign symptoms and pathophysiology.
2. Describe in Brief Acute and Chronic Renal Failure.

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: S.Y.B. Pharmacy
Sub: Pharm chem.-V
Semester: IV

Date: 06/04/2018
Time: 1 hr.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three. (06)

- a) What is Biomembrane?
- b) Enlist Functional classification protein
- c) Give Classification and role of Carbohydrates
- d) Give the Functions of lipid
- e) Explain the types of fatty acids and its biological role

Q] 2. Solve any two. (08)

- a) Explain in detail HMP shunt with its significance.
- b) What is transamination and deamination? Explain in detail.
- c) Explain the structure of DNA with their function.
- d) Describe in brief about Glycolysis

Q] 3. Solve any one. (06)

- a) Explain in detail β -oxidation of saturated fatty acid.
- b) Explain in detail TCA cycle

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INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

SESSIONAL EXAMINATION 2017/2018

Year: Third Y. B. Pharm

Sub: Pharmaceutical jurisprudence and ethics

Semester: VI

Date: 6 / 4/2018

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark) (06)

- a) Difference between State and Joint state Pharmacy council .
- b) Write composition Of DTAB.
- c) What is schedule C C1 and X? Give example of each.
- d) Define DCC. Give its function.
- e) Give aim and objectives of medicinal and toilet preparation act

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Write a note on licensing authority.
- b) Explain function of PCI.
- c) Write qualification and duties of Government analyst.
- d) Explain in brief sale and distribution of cosmetics under Drug and cosmetic act- 1940.
- e) Write a note on USFDA.
- f) Write a note on Schedule N.

Q] 3. Solve any one. (Each 06 mark) (06)

- a) Give detail account on ICH.
- b) Give detail account on generic Drug Development process.

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Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: Final.Y. B. Pharmacy
Sub: Pharmacology - IV
Semester: VIII

Date: 6/04/18
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Attempt any three. (Each 2 mark)

(06)

- a) What is teratogenicity effect..
- b) Mention the reporting of ADR to pharmacovigilance centres..
- c) Enlist Drug induced diseases.
- d) What is drug-herbal interaction..
- e) Mention the role pharmacist in rational drug use.

Q] 2. Attempt any two. (Each 4 mark)

(08)

- a) Explain in details about chronic toxicity evaluation in animals.
- b) Write a note on indications, protocol of TDM.
- c) Explain the ~~role~~ role of clinical pharmacist in preventing ADR.
- d) Describe in brief about mechanism of Drug interactions.

Q] 3. Attempt any one. (Each 6 mark)

(06)

- a) Describe in brief about Preclinical evaluation study in animals.
- b) Explain the steps for improvement, guidelines for rational prescribing for antibiotics, OTC drugs, the pharmacist role in rational drug use.

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Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (M.PHARM.)
SECOND SESSIONAL EXAMINATION 2017/2018

Year: F.Y.M.Pharm
Sub: Cosmetics and Cosmeceuticals
Semester: II

Date: 05/04/2018
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q 1. Solve any Four

20

- a) Discuss the guidelines for Herbal cosmetics with respect to Emollients and Emulsifier
- b) What are perfumes? Give their classification, sources and contraversical ingredients
- c) Explain challenges in formulation of herbal cosmetics
- d) Define surfactant and write the classification and applications of it.
- e) Note on formulation building block for toothpaste and soap

Q 2. Solve any One

10

- a) Write a note on herbal ingredients used in hair care, skin care and oral care
- b) Comment on – Design of cosmeceuticals product with respective to Pigmentation and body odour.

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Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: S.Y. B. Pharmacy
Sub: Pharmaceutics-V
Semester: IVth

Date: 05/04/18
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark) (06)

- a) Classify Hospitals briefly with examples.
- b) Note on – Objectives of PTC
- c) Enlist the Applications of computer in Hospital
- d) Write a note on – Organization of PTC
- e) Enlist the Objectives and Functions of Hospital Pharmacy

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Write a brief note on Hospital Formulary
- b) Define Inventory Control and discuss any two methods of inventory control
- c) Discuss the methods of drug distribution system in hospital for In-Patient
- d) Define Hospital Pharmacy, explain the layout and flow chart for men and material in hospital pharmacy

Q] 3. Solve any one. (Each 6 mark) (06)

- a) Write the role of PTC in developing emergency drug list
- b) Define Hospital and Explain the supportive services in hospital

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's

INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

SESSIONAL EXAMINATION 2017/2018

Year: Third Y. B. Pharm
Sub: Pharmacognosy-V
Semester: VI

Date: 5 / 4 / 18
Time: 1: 00 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark) (06)

- a) Write the structure of chalcone & quercetin.
- b) Define glycosides.
- c) Draw a correct structure of digoxin.
- d) Give pharmacological action of papaverin.
- e) What is carotenoids with example.
- f) Enlist biologically important flavonoids.

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Write a short note on Hecogenin.
- b) explain chemistry of quine alkaloid
- c) Write a short note on B-carotenes
- d) Define terpene. Give classification of terpene.

Q] 3. Solve any one. (Each 06 mark) (06)

- a) Explain in detail chemistry and biogenesis of monoterpene with suitable example.
- b) Discuss chemistry and biogenesis of atropine.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: Final/B. Pharmacy
Sub: Pharmacognosy - VI
Semester: VIII

Date: 5/04/18
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Attempt any three. (Each 2 mark) (06)

- a) Give the utilization of Mentha oil.
- b) Enlist the herbs used in skin care preparation.
- c) Classify medicinal plant based industries.
- d) Enlist the WHO guidelines for assessment of herbal formulation.
- e) Write the chemical constituents of Valerian.

Q] 2. Attempt any two. (Each 4 mark) (08)

- a) Discuss the role of medicinal & aromatic plants in national economy.
- b) Give the protocol for spectral analysis for assessment of herbal formulation.
- c) What are aromatic plants? Explain B.S and utilization of Geraniol oil.
- d) Describe quality control parameter of herbal drugs as per AYUSH.

Q] 3. Attempt any one. (Each 6 mark) (06)

- a) Describe in detail chromatographic methods and their applications in evaluation of herbal drugs and formulation.
- b) Explain in brief about production and utilization of Diosgenin.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: T.Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 4/04/18
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any five. (Each 2 mark) (06)

- a) Explain opoid receptors.
- b) Classify anti-throid drugs.
- c) Define and classify local anaesthesia with suitable examples.
- d) Define and classify neurotransmitter with suitable example.
- e) Explain the different preparations of rapid and intermediate acting insulins.

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Classify antiparkinsonian drugs? Give the pharmacological action of Levodopa.
- b) Write a note on Oral contraceptives.
- c) Define general anaesthesia? Explain the different stages of general anaesthesia.
- d) Explain the pharmacology of Ethanol.

Q] 3. Solve any one. (Each 6 mark) (06)

- a) Classify sedative and Hypnotics? Describe in details MOA, pharmacological action, adverse effect and therapeutic uses of phenobarbitone.
- b) What is bioassay? Give principles and explain the RIA and ELISA methods.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: T.Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 4/04/18
Time: 1 hrs.
Marks: 20

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- All questions are compulsory.
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- Draw neat diagram wherever necessary.

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BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
SESSIONAL EXAMINATION 2017/2018

Year: T.Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 4/04/18
Time: 1 hrs.
Marks: 20

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BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B. PHARM.)
FIRST INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: First Y. B. Pharm
Sub: H.A.P.-I
Semester: I

Date: 10/09/2018
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q. 1. MCQ.

10

1. The epiglottis is composed of
A. Areolar B. Dense irregular c. Dense regular d. Reticular
2. Which of the following cells produce the most pigment molecules?
A. Epidermal dendritic cells B. Melanocytes C. Keratinocytes D. Pigmentoblasts
3. The majority of the appendages of the skin are located within the
A. Epidermis B. Dermis C. Hyperdermis D. Superficial fascia
4. Which of the following stabilizes the thick filaments in a myofibril?
A. Z disc B. Z line C. A band D. M line
5. Which of the following disciplines is MOST likely to concentrate on the structure and function of organelles?
A. Gross anatomy B. Histology C. Cytology D. Embryology
6. A group of cells with a common structure and function is an example of an
A. Organelle B. Embryo C. Organ D. Tissue
7. ATP production primarily occurs in which of the following organelles?
A. Nucleus B. Endoplasmic reticulum C. Microvilli D. Mitochondria
8. What is the name of the process by which neurotransmitters are released from the axon terminal?
A. Active transport B. Endocytosis C. Exocytosis D. Facilitated diffusion
9. Both the sternum and the vertebrae are examples of:
A. Long bones B. Short bones C. Flat bones D. Irregular bones
10. Which is the smallest bone in human body?
A. malleus B. Incus C. Stapes D. All of the above

Q 2 Long Answer (Solve any 1)

10

- a) Write a note on skeletal systems.
- b) Define & classify tissues. Explain in details nervous tissues.

Q 3 Short Answer (Solve any 2)

10

- a) Draw a well labeled diagram of Cell. Give functions of components of Cell.
- b) Explain Pelvic Girdle & Body cavities.
- c) Give structure & functions of skeletal muscles.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B. PHARM.)
FIRST INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: First Y. B. Pharm
Sub: H.A.P.-II
Semester: II

Date: 18/02/2019
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q. 1. MCQ.

10

1. What prevents food from entering the windpipe?
a) The uvula b) The tongue c) The trachea d) The epiglottis
2. Which of the following does NOT manufacture digestive juices?
a) Liver b) Kidneys c) Stomach d) Pancreas
3. The three pairs of multicellular salivary glands that secrete into the oral cavity are the ___glands.
a) alpha, beta, and gamma b) parotid, submandibular, and sublingual
c) palatine, lingual, and pharyngeal d) serous, mucous, and mixed
4. Production of bile is one of several important functions of the
a) Gallbladder b) Liver c) Pancreas d) Small intestine
5. Which part of brain stem is associated with control of breathing?
a) Midbrain b) Pons c) Medulla oblongata d) Both b and c
6. Which of the following is not the part of peripheral nervous system-----
a) Cranial nerve b) Spinal nerve c) Spinal cord d) Ganglia
7. The first cranial nerve is -----
a) Olfactory b) Oculomotor c) Optic d) Vagus
8. Compared with the left primary bronchus, the right primary bronchus is
a) Wider b) longer c) more horizontally oriented d) all of the above
9. All of the lung tissue supplied by a single tertiary bronchus is called a
a) Lobe b) tertiary lobule c) pulmonary lobule d) Bronchopulmonary segment
10. The functional division of the respiratory system that transports air (as opposed to exchanging gases with the blood) is called the
a) Upper respiratory tract b) lower respiratory tract c) respiratory portion d) conducting portion

Q 2 Long Answer (Solve any 1)

10

- a) Enlist organs of Respiratory system. Explain in brief Mechanism and Regulation of Inspiration & Expiration.
- b) Explain Organization of Nervous system. Discuss in details Types of Brain
- c) Draw a well labeled diagram of GIT. Give Anatomy & Physiology of Stomach and Liver

Q 3 Short Answer (Solve any 2)

10

- a) Comment on Gastric gland
- b) Explain Internal & External Anatomy of Spinal cord
- c) Anatomy & Physiology of Lung
- d) Write a note on ATP & BMR.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL FIRST SESSIONAL EXAMINATION 2018/2019

Year: F.Y. B. Pharmacy

Sub: Pharmaceutical Organic Chemistry- I

Semester: IInd

Date: 20/02/19

Time: 1.30 hrs.

Marks: 30

Q 1. MCQ (Each 1 mark)

(10)

1. An alkane with 8 carbon atoms will have how many hydrogen atoms?
a) 18 b) 14 c) 15 d) 16
2. The suffix for the functional group R-COH is
a)... oic acid b)... al c)... one d) ...ol
3. In Alkyne the carbon atom are connected with each other by a
a) Single bond b) Double bond c) Triple bond d) Not connected
4. An isomer of Butanolol is....
a) Methanol b) Diethyl ether c) Ethyl methyl ether d) Dimethyl ether
5. E2 reactions follows rule
a) Huckel b) Seytzeff c) Hoffman d) Hunds
6. Select the incorrect statement regarding Diens
a) Conjugated dines is a type b) It is an un- saturated hydrocarbon
c) Orbital Structure may possible d) Diens have the general formula C_nH_{2n}
7. Which hybridization present in Butene?
a) sp^2 b) sp c) sp^3d d) sp^3
8. is a example of saturated hydrocarbon
a) CO_2 b) HCL c) H_2SO_4 d) Decane
9. Which one is not a type of structural isomer
a) Geometrical b) Position c) Chain d) Metamerism
10. Identify the one which is the perfect example for alkene
a) 1 Pentene b) 1,2 pentadiene c) 1 Butanal d) 1 Butanol

Q 2. Solve any two. (Each 5 mark)

(10)

- a) What is Alkane? Discuss- Halogenation of Alkane
- b) State and explain – Markovnikov rule with mechanism
- c) Discuss the types of Structural Isomerism
- d) Define and Classify Dienes with examples and note on- Diels Alder reaction

Q 3. Solve any one. (Each 10 mark)

(10)

- a) Write a note on -1. Classification of Organic Compound
2. Elimination Reaction
- a) Define Hybridization and explain the Hybridization of Alkane in details

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
FIRST INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: S. Y. B. Pharm
Sub: Physical pharmacy I
Semester: III

Date: 11/09/2018
Time: 1:30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q. 1. MCQ.

10

1. The solubility of gas..... with rise in temp
a) increase b) decrease
c) remain constant d) non of the above
2. the solubility of drug will be high when its is in its
a) stable form b) metastable form
c) unstable form d) Non of the above
3. Ph of the solution depends on
- a) Handerson –hassenbach equation b) Henry law
c) charls law d) daltons law
4. the chemical reaction in which the opposite electric charge ions come together in solution and form a distinct chemical entity is called
a) saturated solution b) dilute solution
c) conc.solution d) non aq.solution
5. solubility curve drawn between ..
a) asociation b) solvation
c) combination d) capacitance
6. the surfactant which have both polar and nonpolar groups are called
a) amphiphiles b) cationic surfactant
c) anionic surfactant d) non-ionic surfactant
7. The unit of surface tension is
a) N/m² b) kg.cm c) dynes/cm d) dynes /m²
8. cetrimide is example of
a) anionic surfactant b) cataonic surfactant c) non ionic surfactant d) ampholytic surfactant
9. stalagmometer used to determine
a) viscosity b) particle size c) solubility d) surface tension
10. which of the following method is used to determine surface tension of liquid
a) capillary rise method b) drop wt and drop count method c) willhelmy plate method d) all

Q. 2. Short Answer (Solve any 2)

10

- a) Explain in detail factors affecting solubility of drug
- b) Explain in detail adsorption at solid interfaces
- c) explain in detail HLB system

Q. 3 Long Answer (Solve any 1)

10

- a) Described in detail drop wt and drop count method to determine surface tension of liquid
- b) Explain solubility in ideal and real solution



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B. PHARM.)
FIRST INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: S. Y. B. Pharm
Sub: P. microbiology
Semester: III

Date: 12/09/2018
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.

10

Q. 1. MCQ.

1. Gram staining was introduced by
A. Christian gram B. Alfred Gram C. Robert cook D. Louis Pasteur
2. Which of the following is considered the most unifying concept in biology?
A. Taxonomy B. Anatomy C. Genetics D. Evolution
3. Which of the following is considered the most unifying concept in biology?
A. Taxonomy B. Anatomy C. Genetics D. Evolution
4. The protein from which hook and filaments of flagella are composed of, is
A. keratin B. flagellin C. gelatin D. casein
5. The cocci which mostly occur in single or pairs are
A. Streptococci B. Diplococci C. Tetracocci D. None of these
6. Bacteria having no flagella are unable to
A. move B. reproduce C. stick to tissue surfaces D. grow in nutrient agar
7. Which of the following is true about cell wall of gram-positive bacteria?
A. It consists of multiple layers B. It is thicker than that associated with gram-negative bacteria
C. It contains teichoic acids D. All of these
8. A single polar flagella is known as
A. monotrichous B. lophotrichous C. amphitrichous D. none of these
9. The iodine used in Gram staining serves as a
A. chelator B. catalyst C. mordant D. cofactor
10. Bacterial cell wall is made up of
A. chitin B. cellulose C. dextran D. peptidoglycan

10

Q 2 Long Answer (Solve any 1)

- a) Discuss in details Morphology & Ultrastructure of Bacteria.
- b) Define & classify Sterilization methods. Explain in Autoclave & Hot air oven.

Q 3 Short Answer (Solve any 2)

- a) Discuss in details Measurement of Bacterial growth.
- b) Write a note on Electron microscope.
- c) Enlist methods of isolation of bacteria. Explain Streak plate methods.

10

BEST OF LUCK

Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: S.Y.B. Pharmacy
Sub: Pharmaceutical Organic Chemistry - III
Semester: IV

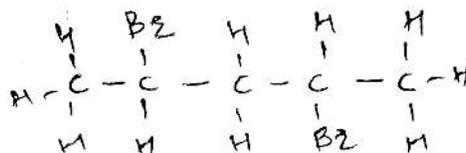
Date: 18/02/19
Time: 1: 30 hrs.
Marks: 30

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Select the correct alternatives

(10)

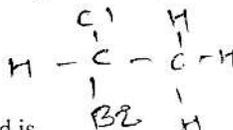
1) 2-bromo,4-bromopentane



Above compound is

- a) 2R,4R dibromopentane b) 2R,4S dibromopentane c) 2S,4S dibromopentane. d) 2S,4R dibromopentane

2) 1-Bromo-1-Chloroethane



The configuration of above compound is

- a) Dextro rotatory. b) Leavo rotator c) Both A & B. d) None of the above

3) diastereomers are

- a) optically active compound. b) optically inactive compound c) both A and B d) none of the above

4) meso compounds are

- a) optically active compound. b) optically inactive compound c) both A and B d) none of the above

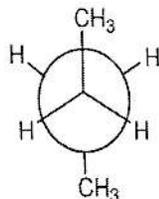
5) identify chiral molecule among the following

- a) isopropyl alcohol. b) 2-pentanol c) 1-bromo-3-butyl. d) isobutyl alcohol

6) hexane and 3-methylpentane are example of

- a) enantiomers. b) stereoisomers c) diastereomers. d) constitutional isomers

7) The conformation of n butane is



- a) gauche. b) Eclipsed c) staggered. d) None of above

8) confirmation for Ethane is



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
FIRST INTERNAL SESSIONAL EXAMINATION 2019

Year: S. Y. B. Pharm
Sub: Medicinal Chemistry I (BP402T)
Semester: IV

Date: 20/02/2019
Time: 1:30 hrs.
Marks: 30

- **Do not write anything on question paper except seat no.**
- **All questions are compulsory.**

Q. 1. Choose proper alternative

10

1. How long the carbon chain is essential for activity of propranolol?
a) 1-C b) 2-C c) 3-C d) 4-C
2. α substitution in choline moiety results in.....
a) Decrease in nicotinic activity b) decrease in muscarinic activity
c) Increase in nicotinic activity d) Both a and b
3. Which of the following is not optical isomer?
a) Enantiomer b) Epimer
c) Diastereomers d) Meso compounds
4. M receptor is located in
a) Autonomic ganglia b) Heart
c) Visceral smooth muscle d) None of these
5. Effect of cholinergic nerve stimulation is called as...
a) Sympathomimetic b) Parasympathomimetic c) Cholinergic d) both b and c
6. Propranolol is prepared by condensing...
a) α naphthol and epichlorhydrine b) α naphthol and chloropropanol
c) Phenol and epichlorhydrine d) chloro naphthol and propranolol.
7. Catechol ring contain -OH group at position.....
a) 2nd and 3rd b) 3rd and 4th c) 1st and 2nd d) 2nd and 4th
8. Physostigmine salicylate is an example of.....
a) Reversible cholinesterase inhibitors b) Irreversible cholinesterase inhibitors
c) Direct acting ACh agonist d) Direct acting ACh antagonist
9. Which of the following is an antiarrhythmic Ca channel blocker?
a) Lidocaine b) Nitroglycerine c) Nifedipine d) Codein
10. Nephedrine is synonym of
a) Adrenaline b) Isoprenaline
c) Naphazoline d) Non adrenaline

Q. 2. Short Answer (Solve any 2)

10

- a) Give the structure, MOA, and uses of Epinephrine and Clonidine.
- b) Explain the synthesis and release of Acetylcholine.
- c) Write a note on beta adrenergic blockers.

Q. 3 Long Answer (Solve any 1)

10

- a) Give classification of anticholinergic drugs; write their MOA and uses. Give the synthesis outline of procyclidine hydrochloride.
- b) Describe various physicochemical properties involved in drug action

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: T.Y.B.Pharm
Sub: P'cal Chemistry VI
Semester: V

Date: 22/10/2018
Time: 1: 00 hrs.
Marks: 20

- ◆ **Instructions**
- ◆ **Questions No.1 compulsory**
- ◆ **Solve ANY ONE From Question 2 and 3**
- ◆ **Figures/Reaction /Structure and Examples indicates full marks**

Q.1-Solve ANY FIVE of the following

10

- a) Enlist Physiological factors affecting metabolism
- b) Explain reduction reaction with respect to phase-I reaction
- c) Give difference between direct and indirect acting adrenergic agents
- d) Comment on forces involved in Drug-receptor interaction
- e) Enlist various phase-I metabolic reactions
- f) Define metabolism enlist factors affecting drug metabolism
- g) Write in short receptor site theories

Q.2- Solve ANY TWO of the following

10

- a) Write in brief types of receptor
- b) Classify anti-arrhythmic agents with example
- c) Explain in brief various factors affecting drug-receptor interaction
- d) Discuss SAR of β -adrenergic blockers

OR

Q.3- Solve ANY ONE of the following

10

- a) Classify cholinergic drugs discuss SAR and metabolism of clonidine
- b) Discuss in detail antihypertensive agents and classify it with example

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Third Year B.Pharm

Sub: Pharmaceutics-VI

Semester: V

Date: 23 /10/2018

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q1 Solve any Three.

06

- a) State the objectives of Preformulation study.
- b) Enlist the excipients used in Tablet formulation with examples.
- c) What is the need of tablet coating?
- d) Give role of plasticizers in hard gelatin Capsules with examples.
- e) Enlist IPQC tests for Suppositories.

Q 2 Solve any Two

08

- a) Explain pH Partition Hypothesis theory and its Limitation
- b) Discuss the various methods for Preparation of Tablets.
- c) Enlist various coating pans for tablet coting and explain Air suspension technique.
- d) What are penetration enhancers? Classify and Give mechanism of any one penetration enhancer.

Q 3 Solve any One

06

- a) What is tablet coating? Discuss various coating pans for tablet coting.
- b) Define Ointments. Discuss formulation and IPQC tests of ointments.

BEST OF LUCK

INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Third. Y.B. Pharmacy
Sub: Pharmaceutics-VII
Semester: VI

Date: 04/04/2019
Time: 1 hr.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three.

(06)

- a. Define Biopharmaceutics and Pharmacokinetics.
- b. Define Volume of distribution. How it is determined.?
- c. State how salt form of drug affects its absorption
- d. Differentiate in between Intracellular and Extracellular Protein binding of drug.
- e. What do you mean by Rate and Order of reaction?

Q] 2. Solve any two.

(08)

- a) Explain Flip flop phenomenon in detail.
- b) Describe Wagner Nelson method for estimation of K_a .
- c) Define Drug distribution. Write a note on barriers of Drug distribution.
- d) What is gastric emptying time? Discuss factors affecting gastric emptying.

Q] 3. Solve any one.

(06)

- a) Define Protein binding of drug. Explain various factors affecting Protein binding of drug.
- b) Write a note on Urinary excretion data for determination of K_E .

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: T.Y. B. Pharmacy
Sub: Pharmacology-II
Semester: VIth

Date: 03/04/19
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 mark) (06)

- a) Define and classify anti-epileptic agents with suitable examples.
- b) Define and classify anti-thyroid agents.
- c) Define and classify anxiolytics with suitable examples.
- d) Define and classify neurotransmitter with suitable example.
- e) Explain the different preparations of rapid and intermediate acting insulins.

Q] 2. Solve any two. (Each 4 mark) (08)

- a) Classify CNS stimulants drugs? Give the pharmacological action of Morphine.
- b) Explain the pharmacological action and uses of female sex hormones.
- c) Explain the pharmacological action, adverse effect and therapeutic uses of oxytocin.
- d) Explain the pharmacological action of Alcohol.

Q] 3. Solve any one. (Each 6 mark) (06)

- a) Classify sedative and Hypnotics? Describe in details MOA, pharmacological action, adverse effect and therapeutic uses of barbiturates.
- b) What is bioassay? Give principles and explain the different methods of Graded bioassay.

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Final year B. pharmacy
Sub: Pharmaceutical Technolog

Date: 22/10/2018
Time: 1hr **Marks:** 20

Semester: VII

- *Do not write anything on question paper except seat no.
- *All questions are compulsory.
- *Figures to the right indicate full marks.
- *Draw neat diagram wherever necessary.

Q] 1. Solve any three. (Each 2 marks)

(06)

- a. Write anatomy and physiology of eye
- b. define parental dosage form and give their ideal requirement
- c. write down primary and secondary route of administration
- d. Give the rationale behind sustained and controlled drug delivery system
- e. Define microencapsulation and give the types of microcapsule
- f. classify matrix and diffusion controlled system

Q] 2. Solve any two. (Each 4 mark)

(08)

- a. Write in detail about coacervation phase separation techniques for microencapsulation
- b. Explain detail about PLGA
- c. Write in detail evaluation of glass containers
- d. Write in detail sterilization of ophthalmic products

Q] 3. Solve any one. (Each 6 mark)

(06)

- a. Explain in detail processing of parental preparation
- b. Explain in detail evaluation of sustained and controlled drug delivery system

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Final.Y. B. Pharmacy
Sub: Pharmaceutical Chemistry - VIII
Semester: VII

Date: 23 /10/18
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

QJ 1. Solve any three. (Each 2 marks)

(06)

- a) Electron withdrawing group in Benzodiazepine?
- b) What is role of duration of action of drugs in hypnotics and sedative?
- c) Outline the synthesis of Indoxuridine?
- d) Note on CNS stimulant?
- e) what is water soluble vitamin. Explain it?

QJ 2. Solve any two. (Each 4 mark)

(08)

- a) Explain the chemistry of Local Anesthetics?
- b) Write a note on fat soluble vitamin?
- c) What is general anesthetics.Explain the intravenous anesthetic?
- d) Explain the chemistry of barbiturates?

QJ 3. Solve any one. (Each 6 mark)

(06)

- a) Give the classification of Anti viral agents.With MOA of each class?
- b) Give the classification of Antipsychotics agent with MOA ?

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Final Y. B. Pharmacy
Sub: Pharmaceutics-IX
Semester: VIIIth

Date: 01/04/19
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q] 1. Attempt any three. (Each 2 mark)

(06)

- a) Define Targeted drug delivery system and Enlist the classification of TDDS with example.
- b) Draw a neat labelled diagram of Franz diffusion cell
- c) Give Advantages and Disadvantages of Transdermal drug delivery system
- d) Define the term-1. Floating time 2. Sublingual Drug delivery system
- e) Enlist the additives required for Transdermal patches

Q] 2. Attempt any two. (Each 4 mark)

(08)

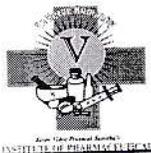
- a) Note on – Anatomy and Physiology of Pulmonary drug delivery system
- b) Discuss the Methods of preparation and evaluation of Liposomes
- c) Comment on – Penetration Enhancers
- d) Discuss the Approches of colon Drug delivery system

Q] 3. Attempt any one. (Each 6 mark)

(06)

- a) Give the formulation approches for GRDDS
- b) Comment on –Formulation and evaluation of transdermal patches

BEST OF LUCK



Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Final Year B. Pharm.
Sub: P. Analysis- IV
Semester: VIII

Date: 2/04/2019
Time: 1 hrs.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.(B)

Q1. Solve any Three out of following

(06)

1. What is a Hyphenated technique?
2. Give principle behind Gel permeation chromatography.
3. Comment on Anion exchanger.
4. Explain Reverse Phase Chromatography.
5. Explain Flow meter.

Q2. Solve any TWO out of following

(08)

1. Give operational procedure of Ion exchange chromatography.
2. Explain types of column in GC.
3. Write a note on chemical shift spin-spin coupling.
4. Give interfaces & application of GCMS.

Q3. Solve any ONE out of following

(06)

1. Explain in details Instrumentation of HPLC.
2. Discuss modes of vibration of atoms in polyatomic molecules.

BEST OF LUCK



(Improvement)

Kisan Vidya Prasarak Sanstha's
INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)
INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Third.Y.B. Pharmacy
Sub: Pharmaceutics-VII
Semester: VI

Date: 09/04/2019
Time: 1 hr.
Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.

Q] 1. Solve any three. (06)

- a) Define Solvates and Hydrates.
- b) Enlist the barriers for drug distribution.
- c) What do you mean by Enzyme Induction and Enzyme inhibition
- d) Write any four applications of compartmental Models
- e) What is MEC and MSC.

Q] 2. Solve any two. (08)

- a) Discuss the theories of drug dissolution
- b) Write the limitations of pH Partition Hypothesis theory .
- c) Discuss method of residuals for determination of K_a
- d) Define Pharmacokinetic Models. Discuss various types and application of Pharmacokinetic Models.

Q] 3. Solve any one. (06)

- a) Define absorption. Enlist the factors affecting drug absorption and Explain the Physiochemical properties affecting drug absorption
- b) Discuss one compartment open model for extravascular administration in detail.

BEST OF LUCK



(Improvement)

Kisan Vidya Prasarak Sanstha's

INSTITUTE OF PHARMACEUTICAL EDUCATION, BORADI (B.PHARM.)

INTERNAL SESSIONAL EXAMINATION 2018/2019

Year: Third Year B. Pharm.

Sub: P. Technology-I

Semester: V

Date: 09/10/2019

Time: 1: 00 hrs.

Marks: 20

- Do not write anything on question paper except seat no.
- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

Q1. Solve any THREE out of following

(06)

1. Give ideal requirements of suppository base.
2. Define Preformulation & Dielectric constant.
3. What are Sonophoresis & Iontophoresis.
4. Write IPQC test for capsule.
5. Enlist various steps in sugar coating of tablets.

Q2. Solve any TWO out of following

(08)

1. Write a note on different types of coating pan.
2. Explain in details manufacturing of hard gelatin capsule.
3. Classify semisolid dosage form. Explain in detail about four different types of ointment bases.
4. Give importance of Pre-formulation with respect to stability & bioavailability.

Q3. Solve any ONE out of following

(06)

1. Discuss Types & Evaluation of Emulsion.
2. Enlist problems in tableting. Discuss evaluation parameter of Tablet

BEST OF LUCK