

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Sanskrit

Date: 24-12-2018
Monday

Time: 09:30 A.M. to 11:30 A.M.
Marks: 50

Note : All questions carry equal marks.
Every question is compulsory.

1. संधि कितने प्रकार की होती है ? किन्हीं एक प्रकार को भेद सहित समझाईए । 10
2. 'रमा' एवं 'नदी' शब्द का सभी विभक्तियों में रूप लिखें । 10

OR

'लुब्धविप्रवृद्धव्याघ्र' कथा को अपने शब्दों में लिखकर बोध लिखिए ।

3. Answer any Four of the following : 20

A. सन्धि कीजिए (कोई चार)।

- (१) नदी + अत्र (२) हिम + आलय (३) हरे + अव
(४) हेम + अंत (५) महा + ऋषि (६) तथा + एव ।

B. व्यंजन कितने प्रकार के होते हैं ? समझाईए ।

C. निम्नलिखित नाम रूपों की पहचान दीजिए (कोई दो)।

- (१) पितरः (२) वारिणः (३) लता (४) फलस्य ।

D. निम्नलिखित अव्यय एवं संख्या का अर्थ बताते हुए वाक्य प्रयोग कीजिए (कोई तीन)।

- (१) ततः (२) शीघ्रम् (३) च (४) एकम् (५) नवम् ।

E. 'शिशु' अथवा 'गज' शब्द को सभी विभक्तियों में लिखो ।

4. Answer any Five of the following : 10

A. स्वर के प्रकार स्पष्ट कीजिए ।

B. संप्रदान का अर्थ स्पष्ट कीजिए ।

C. क्रियापद किसे कहते हैं ?

D. दंत स्थान से बोले जाने वाले स्वर व व्यंजन वर्ण कौन-कौन से हैं ?

E. 'जरद्गवर्गीन्द्र' कथा से हमें क्या संदेश मिलता है ?

F. पाणिनि द्वारा रचित पुस्तक का नाम क्या है ?

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

English

Date: 26-12-2018
Wednesday

Time: 09:30 A.M. to 11:30 A.M.
Marks: 50.

Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

1. Choose the correct verb form from those in brackets. 5
- A. He is lecture in class. (takes, take, taking)
B. She in bank. (work, works, working)
C. They confidence with practice. (develop, develops, developed)
D. He his cupboard everyday (clean, cleans, cleaning)
E. He will for test at the end of semester (appear, appears, appearing)
2. Change following active sentences to passive sentences. 5
- A. Postman delivers the letter regularly.
B. Rajesh helps him with money.
C. Secretary typed the letter.
D. Workers completed the work.
E. They enjoyed the party.
3. Choose the correct model verb from those in bracket. 5
- A. Indian economy develop at 8.9% to overtake China's economy. (must, should, need to)
B. Students respect the teachers. (should, need to, have to)
C. We have less sugar in home so we to bring when we go shopping (have, need, should)
D. please help me in lifting the luggage. (can, could, should)
E. There is security check, so we to show identity card. (have, has, was)
4. Fill in the blanks with correct forms of the verb given in bracket. 5
- A. Kohli very nicely in last match. (play, plays, played)
B. Student a complex question in last class. (ask, asked, asking)
C. Teacher well to the question. (responding, respond, responded)
D. Student can the topic easily if they are explained well. (understand, understood, understanding)
E. They will be meeting tomorrow. (attend, attends, attending)
5. A. Find out the synonym for the underlined word from the options given, write only 4
answer option.
1. There is enough water in the jug.
(a) more (b) less (c) sufficient (d) good
2. His efforts are really appreciable.
(a) tries (b) work (c) interest (d) practice
3. Previous generation respected their elders and teachers more.
(a) abrupt (b) swiftly (c) regularly (d) constantly
4. To be successful one must be consistent in studies.
(a) constant (b) hard working (c) regular (d) interrupted
- B. Find out the antonym for the word from the options given. 4
1. Smooth
(a) hard (b) rough (c) clear (d) fine
2. Rear
(a) front (b) upper (c) tower (d) sideward
3. slowly
(a) abrupt (b) swiftly (c) regularly (d) constantly
4. Enthusiasm
(a) excitement (b) apathy (c) zeal (d) haste

[P.T.O.]

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Pharmaceutical Chemistry (Inorganic)

Date: 27-12-2018
Thursday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Define pH. Write a detailed note on Henderson-Hasselbalch equation and applications of buffer solution. 10
2. Answer any **one** out of two questions. 10
 - A. Define limit test. Explain limit test for heavy metals.
 - B. Explain salient features of Mendeleef's periodic low. Why modern periodic table superior to Mendeleef's periodic table ?
3. Write a short note on any **Four** of the following : 20
 - A. Acid base titration.
 - B. Iodometric titration with examples.
 - C. Mohr's method.
 - D. Volhard's method.
 - E. Limit test of Chloride.
4. Answer any **Five** of the following : (two to three sentences) 10
 - A. Iodometry.
 - B. Molarity & Molality.
 - C. Normality.
 - D. Ionization.
 - E. Impurities.
 - F. Valence electron.

SECTION-B

5. Explain Gravimetric analysis. What are steps and limitations of Gravimetric analysis. 10
6. Answer any **one** out of two questions. 10
 - A. Explain Sodium bisulphite and Sodium metabisulphite as an antioxidant.
 - B. Explain method of preparation, properties and use of Ammonium chloride.
7. Write a short note on any **Four** of the following : 20
 - A. Precipitation in gravimetric analysis.
 - B. Give the chemical name, formula and uses of Green vitriol and Baking soda.
 - C. Occurrence, properties and uses of Mercury.
 - D. Properties and uses of Borax.
 - E. Mechanism and uses of Antioxidant.
8. Answer any **Five** of the following : (two to three sentences) 10
 - A. Digestion.
 - B. Rochelle salt.
 - C. Uses of Gold.
 - D. Assay of Sodium thiosulphate.
 - E. Define Mother liquor.
 - F. Law of mass action.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Pharmaceutical Chemistry (Organic)

Date: 28-12-2018
Friday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Write preparation, properties and uses of thioalcohol. 10
2. Answer any **one** out of two questions. 10
 - A. Give IUPAC name of following (any **five**).
(1) Aniline (2) Catechol (3) Picric acid
(4) Benzoic acid (5) Pentane (6) Cyclobutane
 - B. Dipole moment.
3. Write a short note on any **Four** of the following : 20
 - A. Optical activity.
 - B. Explain optical activity.
 - C. Difference between heterolytic and homolytic fission.
 - D. Explain resonance energy.
 - E. Give poulling stater theory.
4. Answer any **Five** of the following : 10
 - A. Define molecular orbital.
 - B. Define thio compound and its types.
 - C. Give full form of IUPAC.
 - D. What is mean by aromatization ?
 - E. Define acid and base.
 - F. Define asymmetric carbon.

SECTION-B

5. Define free radical & explain in brief. 10
6. Answer any **one** out of two questions. 10
 - A. Explain E1 reaction.
 - B. Effect of resonance.
7. Write a short note on any **Four** of the following : 20
 - A. Write properties and uses of alkane.
 - B. Explain addition reaction.
 - C. Carbonion ion.
 - D. Properties and uses of alcohol.
 - E. Explain α - β unsaturated carbonyl compounds.
8. Answer any **Five** of the following : 10
 - A. Define aromatic compound.
 - B. Give energy profile diagram of SN_1 reaction.
 - C. Write uses of alkyne.
 - D. Write test for aromatic and aliphatic compounds.
 - E. Give friedle crafts acylation.
 - F. Draw the structure of glycerol and resorcinol.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Rasashastra & Bhaishajya Kalpana – I (Ayurvedic Pharmaceutics)

Date: 29-12-2018
Saturday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe Mana Paribhasha. 10
2. Answer any one out of two questions. 10
 - A. Write a note on Kwatha Kalpana.
 - B. Write a note on Kshirapaka Kalpana.
3. Write a short note on any **Four** of the following : 20
 - A. Ushnodaka.
 - B. Saviryata Avadhi.
 - C. Any five rules for raw material collection.
 - D. Yoga Namkarana.
 - E. Aushadha Sevanakala.
4. Answer any **Five** of the following : 10
 - A. Write a definition of Bhaishajya Kalpana.
 - B. Write definition of Hima Kalpana.
 - C. Write a definition of Phant Kalpana.
 - D. Write the use of Laksharasa.
 - E. Describe the preparation method of Tandulodaka.
 - F. Describe the preparation method of Shadangpaniya.

SECTION-B

5. Write Parada Dosha in detail. 10
6. Answer any one out of two questions. 10
 - A. Describe Puta in brief.
 - B. Write history of Rasashastra in brief.
7. Write a short note on any **Four** of the following : 20
 - A. Maharasa.
 - B. Ancient Rasashala.
 - C. Valuka Yantra.
 - D. Dhalana.
 - E. Vajra Musha.
8. Answer any **Five** of the following : 10
 - A. Write the important of Sandhi Bandhana.
 - B. Write the name of drugs, which are included in Kshara Traya.
 - C. Write two classical book of Rasashastra with their author name.
 - D. Write the name of Parada Gati.
 - E. Write the definition of Rasashastra.
 - F. Define Dhanvantari Bhaga.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Sharira (Anatomy & Physiology)

Date: 31-12-2018
Monday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Enlist the organs of the Digestive System and write about Gall bladder. 10
2. Answer any one out of two questions. 10
 - A. Write about Masanumasika Garbha Vriddhi.
 - B. Write about Gyanendriya.
3. Write a short note on any **Four** of the following : 20
 - A. Urinary Bladder.
 - B. Spermatogenesis.
 - C. Pituitary Gland.
 - D. Long bones.
 - E. The Cell.
4. Answer any **Five** of the following : 10
 - A. Draw the structure of the Nephron.
 - B. Write the Lakshanas of Artava.
 - C. Enlist the external organs of the Male Reproductive System.
 - D. Define Sira.
 - E. Write the name of artery which supplies blood to the heart.
 - F. Define Sharir and Shaarira.

SECTION-B

5. Define Dosha and write in detail about Vata Dosha. 10
6. Answer any one out of two questions. 10
 - A. Write about Dhatu.
 - B. Write about Cardiac Circulation.
7. Write a short note on any **Four** of the following : 20
 - A. Upadhatu.
 - B. Oja.
 - C. RBC.
 - D. Endocrine Glands.
 - E. Gas Exchange.
8. Answer any **Five** of the following : 10
 - A. Write the function of Mala.
 - B. Write the function of the Gall bladder..
 - C. Write the functions of Shukra Dhatu.
 - D. Define Immunity.
 - E. Write the percentage (normal range) of Hb in male and female.
 - F. Write the full form of ANS.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Fundamentals of Ayurveda and Swasthavritta

Date: 01-01-2019
Tuesday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe utility of Pramana giving suitable examples. 10
2. Answer any one out of two questions. 10
 - A. Explain the concept of Shat Padartha.
 - B. Explain "कर्तव्यस्य क्रिया कर्म".
3. Write a short note on any **Four** of the following : 20
 - A. Write difference between Karana Dravyas and Karya Dravyas.
 - B. Describe Panchikruta PanchaMahabhoota Siddhanta.
 - C. Aptopadesha.
 - D. Utility of Padartha.
 - E. Laghutrayi.
4. Answer any **Five** of the following : 10
 - A. Define Ayurveda.
 - B. Enlist the names of Ashtanga Ayurveda.
 - C. Write the qualities of Prithvi Mahabhoota.
 - D. Define Ayu.
 - E. What is meant by Samanya ?
 - F. Enlist the types of Vishesha.

SECTION-B

5. Explain Grishma Ritucharya. 10
6. Answer any one out of two questions. 10
 - A. Explain the concept of Sadvritta and its relevance in pharmaceutical science.
 - B. Explain Occupational Health Hazards and their prevention.
7. Write a short note on any **Four** of the following : 20
 - A. Sources and functions of Carbohydrates.
 - B. Sources and functions of Fat.
 - C. Define Ahara and nutrition.
 - D. Write about National Vector Born Disease Control Programme.
 - E. National STD control programme.
8. Answer any **Five** of the following : 10
 - A. Define Dharaniya Vega.
 - B. Define Adharniya Vega.
 - C. Enlist diseases caused by Mutra Vega Dharana.
 - D. What is Kavala ?
 - E. What is Brahmamuhurta ?
 - F. Write the name of any four National Health Programmes.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December - 2018

Dispensing, Community Pharmacy and Hospital Pharmacy

Date: 02-01-2019
Wednesday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. What is posology ? Write in detail. 10
2. Answer any one out of two questions. 10
 - A. Write in detail on maintenance and practice of good hygienic condition.
 - B. Write in detail on dispensing pharmacy.
3. Write a short note on any **Four** of the following : 20
 - A. Pharmacovigilance.
 - B. Patient counselling.
 - C. Retail pharmacy.
 - D. Incompatibilities in prescription.
 - E. Handling of prescription.
4. Answer any **Five** of the following : 10
 - A. Define drug storage.
 - B. What is wholesale pharmacy ?
 - C. What is Basti ?
 - D. Difference between Asava and Arishta.
 - E. What is packaging ?
 - F. Define suppositories ?

SECTION-B

5. What is UDDDS ? Write in detail. 10
6. Answer any one out of two questions. 10
 - A. What is sterilization ? Write various techniques used in sterilization.
 - B. What is hospital pharmacy ? Write in detail.
7. Write a short note on any **Four** of the following : 20
 - A. Drug budget.
 - B. Packaging and tablets.
 - C. Processing of syrup.
 - D. Drug information services.
 - E. Surgical dressing.
8. Answer any **Five** of the following : 10
 - A. Define hospital.
 - B. Define the term tincture.
 - C. What is floor's stock system ?
 - D. What is complex floor stock system ?
 - E. What is the functions of hospital ?
 - F. Write the scope of hospital pharmacy.
