

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Sanskrit

Date: 16-12-2019
Monday

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

Instructions: Every question is compulsory.

1. सभी विभक्तियों के नाम देकर विभक्तियों को सविस्तारपूर्वक समझाईए । 10
2. “लुब्धविप्रवृद्धव्याघ्र” कथा का वर्णन अपने शब्दोंमें करें । 10

OR

2. “जरूदगवगीधकथा” को नया शिर्षक देकर अपने शब्दों में कथा वर्णन करे ।
3. Answer any **Four** of the following : 20

A. संधि कीजिए ।

१.चिकित्सालयः २.सुरः+ईशः ३.श्री+ईशः ४.अष्टाध्यायि ५.गुरु+आदेशः ।

B. निम्नलिखित शब्दों का अर्थ बताते हुए वाक्य प्रयोग कीजिए (कोई चार) ।

१. मम २. दश ३. मन्द ४. अद्य ५. वयम् ।

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

१. क्रीड् - वर्तमानकाल २. धाव्- भूतकाल ३. भू - भविष्यकाल

D. कृष्ण अथवा रमा शब्द का सभी विभक्तियों में रूप लिखें ।

E. निम्नलिखित पद्य का भावार्थ स्पष्ट कीजिए ।

नदीनां शस्त्रपाणीनां श्रृंगिणान्तथा ।

विश्वासो नैव कर्तव्यः स्त्रीषु राजकुलेषु च ॥

4. Answer any **Five** of the following : 10

A. माहेश्वरसूत्र लिखें ।

B. संधि की व्याख्या देकर उसे दो उदाहरण द्वारा समझाईए ।

C. वर्णमाला में कितने स्वर और व्यंजन हैं ? लिखिए ।

D. हितोपदेश के रचयिता कौन हैं ?

E. दो अव्यय शब्दों का वाक्य में प्रयोग कीजिए ।

F. तृतिया विभक्ति के दो उदाहरण लिखिए ।

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

English

Date: 17-12-2019
Tuesday

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

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

1. Fill in the blanks with the correct form of verbs given in the brackets. 5
- A. Someone _____ (knock) at the door.
B. Birds _____ (fly) in the air.
C. When I _____ (go) to see him, he _____ (sleep).
D. He _____ (study) hard these days.
E. Don't disturb me. I _____ (do) my work.
2. Rewrite the sentences from the active to passive voice. Use the same tenses. 5
- A. Someone smashed our window last night.
B. The teacher told us a joke.
C. Why are you Praising him show high ?
D. It is time to take dinner.
E. The members are discussing the matter.
3. Fill in the spaces with suitable prepositions 5
- A. I'm confident _____ getting _____ this situation soon. (of, through, off)
B. She looks _____ her old grand mother. (to, after)
C. Sometimes facts are stranger _____ fiction. (then, than)
D. You may wash your dirty linen _____ home, but never _____ public. (in, at, to)
E. Why have you broken _____ him? (to, with, of)
4. Give synonym for the given words: 5
- A. admire B. loyal C. Zeal D. misery E. Wish
5. Give antonyms for the given words: 5
- A. arrive B. create C. hope D. sharp E. Win
6. Add the suffix "-able" or "-ible" to each of the following words and use them in sentences of your own. 4
- A. Fix B. Flash C. Exchange D. Exact

[P.T.O.]

7. Match the following phrasal verbs given in the "A" with the meanings given in the "B". 5

A	B
agree with	to meet or find by chance
call off	to solve a problem
come across	to have the same opinion as someone else
get away	to escape
get around	to cancel something

8. You are Sunder and you are a student representative. There is an event "Awareness of Ayurvedic Medicine", being organized in your college. Write a letter or e-mail to Prof. Shah, the principal of Commerce College, inviting their institution to take part in the event happening in your college. 6

9. Think and Write in your own words on the following topic (any one): 10

"Working too much is worse than not working."

OR

"The best way to serve God is to serve humanity."

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Pharmaceutical Chemistry (Inorganic)

Date: 18-12-2019
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. Explain modern periodic table. 10
 2. Answer any one out of two questions. 10
 - A. Explain Complexometric titrations.
- OR**
- B. Explain limit test for Arsenic.
 3. Write short notes on any **Four** of the following : 20
 - A. Volumetric analysis and different conditions required for it.
 - B. Preparation and standardization of 0.1N HCl solution.
 - C. Limit test for Iron.
 - D. Mohr's method of precipitation titration.
 - E. Buffer solutions and Buffer action.
 4. Answer any **Five** of the following:(two to three sentences) 10
 - A. Define Molarity and Indicator.
 - B. Define Redox titration and give examples of redox indicators.
 - C. Write advantages of non-aqueous titration.
 - D. Comment on: Nitric acid is used in limit test for Chlorides.
 - E. Write uses of buffer solutions.
 - F. Enlist Noble Gas.

SECTION-B

5. Explain preparation, assay and uses of NH_4Cl . 10
 6. Answer any one out of two questions. 10
 - A. Explain different steps of Gravimetric analysis.
- OR**
- B. What are antioxidants? Explain Sodium thiosulphate.
 7. Write short notes on any **Four** of the following : 20
 - A. Occurrence and properties of Calcium.
 - B. Sodium metabisulphite as an antioxidant.
 - C. Reactions and uses of Iron.
 - D. Assay of Borex.
 - E. Difference between Gravimetric analysis and Volumetric analysis.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Write uses of Nitrogen.
 - B. Explain any two chemical reactions of Potassium.
 - C. Draw structure of Borex.
 - D. Write advantages of Gravimetric analysis.
 - E. Write uses of Calcium.
 - F. Define Mother liquor.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Pharmaceutical Chemistry (Organic)

Date: 19-12-2019
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. Classify Thio compound and write note on Thiophene. 10
2. Explain Stereo selective and Stereo specific reactions. 10

OR

IUPAC name of

(a) $\text{CH}_3\text{-CH}_2\text{-CO-CH}_3$ (b) C_6H_{12} (c) $\text{C}_2\text{H}_5\text{SH}$ (d) $\text{CH}_3\text{CH}_2\text{COOH}$ (e) HCONH_2

3. Write short notes on any **Four** of the following : 20
A. Conformational isomerism.
B. Cis- and Trans- isomerism.
C. Two preparations of Thioalcohol.
D. Structure of Picric acid and Benzene sulphuric acid.
E. V.B. theory.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Define Sulphonation and Halogenation.
B. Spin quantum number.
C. Define Atomic orbital.
D. Racemization.
E. Define Thioether.
F. Inductive effect.

SECTION-B

5. Explain Dipole moments and effects of Dipole moments on organic compound. 10
6. Define Alkanes. Give methods of preparation, properties and uses of Alkanes. 10

OR

Explain Nucleophilic substitution reaction and write detail note on Benzene mechanism.

7. Write short notes on any **Four** of the following : 20
A. Resonance.
B. Heterolysis and Heterolytic fission.
C. Pyrolysis.
D. Hydrogen bonding.
E. Michael addition reaction.
8. Answer any **Five** of the following :(two to three sentences) 10
A. Carbanion ion.
B. $\text{S}_{\text{N}}1$ reaction.
C. Alkyne and Alkene.
D. Free radical.
E. Structure of Cinnamaldehyde.
F. Diels alder reaction.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Rasashastra & Bhaishajya Kalpana – I (Ayurvedic Pharmaceutics)

Date: 20-12-2019
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. Describe Maana paribhasha. 10
2. Answer any one out of two questions. 10
 - A. What is Saveeryata avadhi? Explain with examples.
- OR**
- B. What are the basic principles for Aushadha nirmana? Explain in brief.
3. Write short notes on any **Four** of the following : 20
 - A. Aushadha siddha paniya
 - B. Arjuna ksheerapaka
 - C. Laksharasa
 - D. Shadanga paniya
 - E. Vasa putapaka svarasa
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Dose and use of Sudarshana phanta.
 - B. Dose & use of kharjuradi mantha
 - C. Shelf life of Kalka and Kvatha Kalpana
 - D. Two uses of Triphala kwatha
 - E. Two uses of Ushnodaka
 - F. Two uses of Laksha rasa

SECTION-B

5. Write brief history of Rasa Shastra. 10
6. Answer any one out of two questions. 10
 - A. Define Yantra and explain Valuka yantra and its utility in detail.
- OR**
- B. Define Musha and explain Vajra musha along with its utility in detail.
7. Write short notes on any **Four** of the following : 20
 - A. Lavana panchaka
 - B. Bhavana
 - C. Ksharastaka
 - D. Varaha puta
 - E. Kacchap yantra
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. What is Avapa?
 - B. What is Nirvapa?
 - C. Name the drugs included in kshara dvaya.
 - D. Name the drugs included in Panchagavya.
 - E. Write Grahya qualities of Parada.
 - F. Mention two minerals from which Sattva can be extracted.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Sharira (Anatomy & Physiology)

Date: 21-12-2019
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 the structure of cell, its types and functions. 10
2. Answer any one out of two questions. 10
 - A. Write in detail about endocrine system.
 - B. Describe the male reproductive system.
3. Write a short note on any **Four** of the following : 20
 - A. Rasanendriya.
 - B. Heart.
 - C. Kidney.
 - D. Twacha according to Ayurveda.
 - E. Srotasa.
4. Answer any **Five** of the following : 10
 - A. Write the location and length of oesophagus.
 - B. Enlist the divisions of the large intestine.
 - C. Write the interrelationship between Tridosha and Triguna.
 - D. Write the interrelationship between Mahabhuta and Gyanendriya.
 - E. Enlist the types of Asthi according to modern science.
 - F. Enlist the parts of uterus.

SECTION-B

5. Write in detail about pituitary gland. 10
6. Answer any one out of two questions. 10
 - A. Write in detail about Avasthapaka.
 - B. Describe Ojus.
7. Write a short note on any **Four** of the following : 20
 - A. Prakruti.
 - B. Agni.
 - C. Pancreas.
 - D. Shukrasarata.
 - E. Pittadosha.
8. Answer any **Five** of the following : 10
 - A. Write the seat of the Vyana Vayu.
 - B. Enlist the Nayay which are related to formation of Dhatu.
 - C. Define Upadhatu.
 - D. Write the Lakshanas of Rasa Dhatu Kshaya.
 - E. Write the full form of WBC.
 - F. Define Plasma.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Fundamentals of Ayurveda and Swasthavritta

Date: 23-12-2019
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. Describe the Shat-Padartha in detail. 10
2. Answer any one out of two questions. 10
 - A. Write about Brihatrayee in detail.
 - B. Describe the classification of Dravya in detail.
3. Write a short note on any **Four** of the following : 20
 - A. Yukti Pramana.
 - B. Pratyaksha Pramana.
 - C. Disha.
 - D. Laghutrayee.
 - E. Rasamruta.
4. Answer any **Five** of the following : 10
 - A. Write the definition of Ayu.
 - B. Write the definition of Guna.
 - C. Enlist the branches of Ayurveda.
 - D. Write the qualities of Jala Mahabhuta.
 - E. Write the qualities of Aakasha Mahabhuta.
 - F. Write the Guna of Mana.

SECTION-B

5. Explain the importance of Indian factories Act in occupational health hazards. 10
6. Answer any one out of two questions. 10
 - A. Describe the Dinacharya in detail.
 - B. Write the sources and functions of fats and Vitamins.
7. Write a short note on any **Four** of the following : 20
 - A. Vasanta Rutucharya.
 - B. Dharaniya Vega.
 - C. Sources and functions of carbohydrates.
 - D. Physical hazards.
 - E. Chemical hazards.
8. Answer any **Five** of the following : 10
 - A. What is meant by ESI Act ?
 - B. What is meant by Aadanakala ?
 - C. What is meant by Ritusandhi ?
 - D. Write the definition of Swastha.
 - E. Write the symptoms caused by withholding urge of Mutra.
 - F. Write the symptoms caused by withholding urge of Nidra.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) First Year Examination : December-2019

Dispensing, Community Pharmacy and Hospital Pharmacy

Date: 24-12-2019
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. Write in detail on prescription. 10
2. Answer any one out of two questions. 10
 - A. Write in detail on posology.
 - B. Write in detail on practice of good hygienic conditions during prescription procedures.
3. Write a short note on any **Four** of the following : 20
 - A. Functions of retailers.
 - B. Role of pharmacist in patient counselling.
 - C. Explain procedures adopted for dispensing of Kwatha and Churna.
 - D. Explain labelling.
 - E. Difference between retail and wholesale pharmacy.
4. Answer any **Five** of the following : 10
 - A. Define community pharmacy.
 - B. Define Pharmacovigilance.
 - C. Define drug store.
 - D. What is packaging ?
 - E. What is superscription ?
 - F. Define the maintenance of drug store.

SECTION-B

5. Write in detail on hospital pharmacy. 10
6. Answer any one out of two questions. 10
 - A. Write in brief on equipment used in sterilization and its procedures.
 - B. Write in detail on drug information services.
7. Write a short note on any **Four** of the following : 20
 - A. Surgical dressing.
 - B. Processing of capsules.
 - C. Processing of syrup.
 - D. Functions of hospital.
 - E. Drug budget.
8. Answer any **Five** of the following : 10
 - A. Define tablet.
 - B. Write the ideal storage condition for syrup.
 - C. Define IPD and OPD.
 - D. What is hot air oven ?
 - E. What is UDDDS ?
 - F. What is complete floor stock ?
