

INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA, JAMNAGAR

B. PHARM. (AYU.) FIRST YEAR EXAMINATION - August - 2023

RASASHASTRA AND BHAISHAJYA KALPANA - I (AYURVEDIC PHARMACEUTICS)

Date : 03/08/2023

Time : 09:30 A.M. - 12:30 P.M.

Thursday

Marks : 100

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

SECTION-A

1. Define *Kashaya Kalpana*. Write about *Swarasa Kalpana* in detail. 10
2. Answer any one out of two questions. 10
- A Give details about Collection, Storage and Preservation method of raw materials.
- OR
- B Describe *Kwatha Kalpana* in detail.
3. Write short notes on any **Four** of the following : 20
 - A. Importance of *Mana Paribhasha*.
 - B. *Mantha Kalpana*.
 - C. *Arjuna Kshirapaka*.
 - D. *Mustakadi Pramathya*.
 - E. *Tandulodaka*.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Definition of *Bhaishajya Kalpana*.
 - B. Write down the ingredients of *Shadanga Paniya*.
 - C. In which season Fruits and Flowers should be collected?
 - D. *Saveeryata Avadhi* of *Kalka Kalpana*.
 - E. Write down the ingredients (with proportion) of *Churnodaka*.
 - F. What is Drug:Water proportion in *Phanta Kalpana*?

SECTION-B

5. What is *Yantra*? Write in detail about *Khalva Yantra*. 10
6. Answer any one out of two questions. 10
- A In which process *Putra* is given? Explain *Putra* in detail. Describe *Maha Putra* and *Gaja Putra* in detail.
- OR
- B Explain the concept of *Musha* in *Rasa Shastra*. Give details of any two *Musha*.
7. Write short notes on any **Four** of the following : 20
 - A. Write a short note on *Parada Gati*.
 - B. Prepare diagrammatic sketch of *Rasa Shala* according to *Ayurveda*.
 - C. Explain *Banga Shodhana*.
 - D. Explain *Hingu Shodhana*.
 - E. Explain *Godanti Shodhana*.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define *Rasa Shastra*.
 - B. *Parada Grahya Lakshana*.
 - C. Define *Bhavana*.
 - D. Define *Sandhibandhana*.
 - E. Enlist *Kshara Traya*.
 - F. Enlist *Lawana Panchaka*.

INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA, JAMNAGAR

B. PHARM. (AYU.) FIRST YEAR EXAMINATION - August - 2023

FUNDAMENTALS OF AYURVEDA INCLUDING SWASTHAVRITTA

Date : 04/08/2023

Time : 09:30 A.M. - 12:30 P.M.

Friday

Marks : 100

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

SECTION-A

1. Write the definition of Ayu. Explain about Ashtang Ayurveda. 10
2. Define the word Padartha. Write classification of Karan dravya and karya dravya. 10

OR

Explain about Laghutrayi.

3. Write short notes on any **Four** of the following : 20
A. Charak Samhita
B. Yukti Pramana.
C. Sharira Gunas
D. Concept of Samanya
E. Concept of Samvaya.

4. Answer any **Five** of the following :(two to three sentences) 10
A. Write synonyms of Ayu.
B. Enlist Panchatanmatra.
C. Write definition of Aaptopadesh.
D. What is Panch avayava?
E. Write definition of Dravya.
F. Enlist paradi gunas.

SECTION-B

5. Write about Hemant rutucharya. 10
6. Describe about Adharniya vegas. 10

OR

Explain about factory act.

7. Write short notes on any **Four** of the following : 20
A. Sources and functions of Carbohydrates.
B. Occupational health hazards.
C. Sadvrita
D. National Tuberculosis Control Programme.
E. Dharniya Vega

8. Answer any **Five** of the following :(two to three sentences) 10
A. Write the definition of Swastha.
B. Full form NRHM.
C. Define the word Aahar.
D. Write benefits of Abhyanga.
E. Write sources of Proteins.
F. Name of Industrial health hazards.

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B. PHARM. (AYU.) FIRST YEAR EXAMINATION - August - 2023

PHARMACEUTICAL CHEMISTRY - II (ORGANIC)

Date : 05/08/2023

Time : 09:30 A.M. - 12:30 P.M.

Saturday

Marks : 100

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

SECTION-A

1. Write a short note on H-bonding. 10
2. Answer any one out of two questions. 10
- A Give structure of following. (any five)
1)Neopentane 2)Benzoic acid 3)Urea 4)Picric acid 5) Vinyl chloride 6)1-Hexene.
- OR
- B What is thiophene? Give preparation & properties of it.
3. Write short notes on any **Four** of the following : 20
- A. Dipole moment
B. Optical activity
C. Cis and Trans isomerism.
D. Give 2 preparation and reactions of thioalcohol.
E. Molecular orbital.
4. Answer any **Five** of the following :(two to three sentences) 10
- A. Define Electrometric effect
B. Define acid and base according to Lewis theory.
C. Define enantiomers.
D. Define Mesocompound
E. Define Stereoselective
F. Give IUPAC name of Acetic acid & Glycerol

SECTION-B

5. Explain Aromatic Nucleophilic substitution reaction 10
6. Answer any one out of two questions. 10
- A Give Preparation, properties and uses of aliphatic alcohol
- OR
- B Define free radical. Explain free radical substitution reaction.
7. Write short notes on any **Four** of the following : 20
- A. Bond fission
B. SN1 reaction.
C. Define Carboxylic acid. Explain its chemical properties
D. Types of reactions
E. Define α - β unsaturated carbonyl compounds. Explain methods of preparation
8. Answer any **Five** of the following :(two to three sentences) 10
- A. Define electrophile.
B. Define resonance
C. Draw energy profile diagram of SN2 reaction mechanism
D. Give uses of alkene
E. Example of Michael addition reaction
F. Define carbonium ion

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B. PHARM. (AYU.) FIRST YEAR EXAMINATION - August - 2023

DISPENSING, COMMUNITY PHARMACY & HOSPITAL PHARMACY (DCH)

Date : 07/08/2023

Time : 09:30 A.M. - 12:30 P.M.

Monday

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 retail and wholesale pharmacy. 10
2. Answer any one out of two questions. 10
- A Write in detail on packaging.
- OR**
- B Write in detail on incompatibilities in prescription.
3. Write short notes on any **Four** of the following : 20
 - A. Sterilization.
 - B. Prescription.
 - C. Labelling.
 - D. Principles and procedures adopted in dispensing of Vati.
 - E. Care required in dispensing procedures.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define suppositories.
 - B. Define capsule.
 - C. Define Asavarishta.
 - D. Define pharmacovigilance
 - E. Define patient counselling
 - F. Define drug store.

SECTION-B

5. Write in detail on processing of tablets and capsules. 10
6. Answer any one out of two questions. 10
- A Write in detail on functions, policy and planning of hospital pharmacy
- OR**
- B Write in detail on various techniques of sterilization and procedures.
7. Write short notes on any **Four** of the following : 20
 - A. Processing of syrup.
 - B. Processing of tincture.
 - C. UDDS (drug distribution system in hospitals)
 - D. Drug budget.
 - E. Complex floor stock drug distribution system in hospital.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define hospital.
 - B. Define drug information reports.
 - C. Define drug information records.
 - D. Define surgical dressing.
 - E. Define OPD.
 - F. Define IPD.

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B. PHARM. (AYU.) FIRST YEAR EXAMINATION - August - 2023

ENGLISH

Date : 08/08/2023

Time : 09:30 A.M. - 11:30 A.M.

Tuesday

Marks : 50

Instructions: 1. Every question is compulsory.

2. Every question bears the marks written on the right side.

1. Choose the correct form of the verb from the given brackets. 05
 - i. It was John who _____ (alert, alerts, alerted) me every time.
 - ii. We _____ (are waiting, have been waiting, waited) for you since two hours.
 - iii. I _____ (know, knew, have known) her for a long time.
 - iv. The box _____ (was, has been, is) so heavy that I could not lift it.
 - v. One of my friends _____ (has gone, went, goes) to Zambia recently.
2. Change the following active sentences into passive sentences. 05
 - i. Boys liked to play soccer.
 - ii. This room has been painted blue.
 - iii. I am given a book.
 - iv. You might see dolphins here.
 - v. The report must be completed by next Friday.
3. Choose the correct Modal verb from those given in the brackets. 05
 - i. I know I left my phone on this table and it is not here now. Somebody _____ it (must take, must have taken, can have taken).
 - ii. That _____ be true. She will never do something like that. (can't, shouldn't, wouldn't)
 - iii. You _____ him a fool. It really upset him. (needn't call, couldn't have called, shouldn't have called)
 - iv. The doctor said I _____ give up smoking. (must, can, ought to)
 - v. You _____ nicer to her. She really cares for you. (can have been, should have been, would have been)
4. Choose the correct form of verbs from those give in the brackets. 05
 - i. In my last night dream, Rakhi _____ (break\ broke) some dishes.
 - ii. My family _____ (has\had) already _____ (reach\reached) the station, when we reached there.
 - iii. Neha ran with quick steps to the school when it _____ (started\starting) raining.
 - iv. Meena _____ (live\lives\has been living) with her family since 2012.
 - v. Jaya _____ (is getting\was getting) married next year.
5. A. Find out appropriate synonyms for underline words from the given in the brackets. 04
 - i. Welcome to my abode.
a. Car b. family c. home d. farm
 - ii. Many people believe in ghosts, but I am sceptical.
a. doubtful b. honest c. scared d. decided
 - iii. This is an authentic Picasso painting.
a. great b. fake c. real d. big
 - iv. When my wife was pregnant, she craved candy.
a. Care b. ask c. desire d. cry
5. B. Find out appropriate antonyms for underline words from the given in the brackets. 04
 1. Try excluding sugar and fat from your diet.
a. Skipping b. leaving c. including d. none of the above
 2. They see themselves as defining law, not breaking it.
a. misdeed b. higher c. rules d. high
 3. There are indications that unemployment will decrease.
a. down b. deep c. increase d. low
 4. We know it is easier to destroy than to create.
a. decrease b. build c. duplicate d. double

[P.T.O.]

6. Write the appropriate phrasal verbs from given list.

07

[broke down, switch on, run, get on, look for, fill in, switch on]

1. I have to _____ to the finish line and back.
2. It will be easier to read if you _____ the lights.
3. My car _____ on the highway today.
4. Quick _____ the bus. It's ready to leave.
5. I don't know where my book is. I have to _____ it.
6. It's dark inside. Can you _____ the light, please?
7. _____ the form, please.

7. Write an essay in about 200 words on the following topic.

10

- Pros and cons of self-isolation
- Using a bicycle instead of a car improves your health and lowers your environmental impact
- Kids' obesity prevention with exercise

OR

7. Precise writing: reduce the text to one third and give appropriate title.

10

Nelson, as a child, was not of a strong body. Yet he gave proof of that resolute heart and nobleness of mind which during the whole of his glorious career so eminently distinguished him. One day he strayed from his grandmother's house in the company of a cowboy. The dinner hour passed: he was absent and could not be found. The alarm of the family became very great, for they feared that he might have been carried off by the gypsies.

At length after a long search, he was discovered sitting composedly by the side of a brook which he could not get over. "I wonder, child," said the old lady, when she saw him, "That hunger and fear did not drive you home?". Fear! grandmanma," replied the future hero." I never saw fear; what is it?"
(137 words)

8. Comprehension: Read the following paragraph carefully and answer the given questions at below: 05

The idea behind Facebook is to make us feel connected all the time. But in my research, I have found that the truth is quite different.

Technology has made the fact of being alone seems like a problem that needs solving. When young people are alone, even for a minute or two, they feel the need to connect, to get on Facebook or on some other social network. But in connecting, they often end up feeling more **isolated**. Why? Because by being in constant connection, they lose the ability to feel satisfied with their own company.

Facebook can help us keep in touch with our friends, but we too often use it instead of spending face-to-face time with them. And since we feel the need to keep up with them online, we don't have moments of loneliness where we can collect our thoughts and learn how to be comfortable being alone.

— Sherry Turkle, Professor

Facebook connects more of us to more of our friends and family in more places than we have ever been connected before. Yes, Facebook is a huge time sink, maybe the biggest ever. Many people post useless stuff. And seeing too much of your friends' lives can make you jealous, but it won't make you lonely.

Jane, a former student of mine, who is back to New York after living abroad for ten years, told me that Facebook helps her a lot. The first time she moved back to New York from abroad, she felt disconnected from her family and friends. Now, because of lots of photos and information updates, she knows what is happening with her friends all the time.

In fact, if you are lonely in real life, you will be lonely online as well.

— Sree Sreenivasan, Chief Digital Officer

Answer the questions briefly:

1. The word in bold "isolated" in Paragraph means...
2. According to Sherry Turkle, we should: (write your opinion)
3. What's Jane's attitude towards Facebook?
4. What do you think the purpose of the text is to....?
5. Give suitable title .