

**Final M.D. Ayurveda (Ayurveda Vachaspati - Rasa Shastra and
BhaiShajya Kalpana) (2012)/(2017) Examination, Winter - 2021
(Phase - II)**

**RASA CHIKITSA & AUSHADHA YOGA VIGYANA - III
(Syllabus of Final MD Ayurveda-2012 is Applicable to Old/New/
2010/2012/2017 Students)**

Total Marks : 100

Total Duration : 3 Hours

- Instructions :**
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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
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 - 7) Use a common answer book for all sections.

[1 × 15 = 15]

1. दीर्घोत्तरी प्रश्नः

Long answer question:

परपटी कल्पनेचे वर्णन करून पंचामृत परपटीचे पाठ संयोजन, मात्रा, अनुपान व चिकित्सेतील उपयोग वर्णन करा.
Describe Parpati Kalpana in detail. Write ingredients, dose, anupan and therapeutic uses of Panchamrit Parpati.

[1 × 15 = 15]

2. दीर्घोत्तरी प्रश्नः

Long answer question:

कृतान्न कल्पना वर्णन करून त्याचे महत्त्व व यवागु व यूष कल्पनेचे चिकित्सेतील उपयोग सविस्तर वर्णन करा.
Describe Krutanna Kalpana, its importance explain therapeutic efficacy of Yavagu and Yusha Kalpana in detail.

3. दीर्घोत्तरी प्रश्न:

Long answer question:

बृहत्वातचिंतामणी रस या कल्पाचे पाठ समायोजन, गुणकर्म, मात्रा व आमयिक प्रयोग सविस्तर लिहा.

Write in detail the patha samyojan, dose, anupan and therapeutic efficacy of Brihatvatchintamani Rasa.

4. दीर्घोत्तरी प्रश्न:

[1 × 15 = 15]

Long answer question:

स्नेहपाक कल्पनेचे वर्णन करून कासीसादी तैलाचे घटकद्रव्य, गुणधर्म व चिकित्सेतील उपयोग सविस्तर वर्णन करा.

Describe Snehapaka Kalpana. Write patha samyojan, therapeutic uses of Kasisadi Taila in detail.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ):

[8 × 5 = 40]

Short answer question (any eight out of ten):

- त्रिभुवनकिर्ती रस-घटकद्रव्य व चिकित्सेतील उपयोग.
Tribhuvankirti Rasa - ingredients and therapeutic uses.
- समीर पन्नग-घटकद्रव्य व उपयोगिता.
Samir Pannaga-ingredients and uses.
- हेमगर्भ पोदूली-घटकद्रव्य व उपयोग.
Hemagarbha Pottali-ingredients and uses.
- अभ्रक अपक्व भस्म सेवन जन्य दोष व उपाय.
Abhrak-Apakwa Bhasma sewanjanya dosha and its chikitsa.
- अर्जुन क्षीरपाक-गुणकर्म व कार्मुकता.
Arjun Ksheerpaka-properties and probable mode of action.
- तक्र वर्ग - उपयोग.
Takra varga - uses.
- अमृता सत्व-निर्माण व उपयोग.
Amruta Satwa - nirman and its uses.
- गोक्षुरादी, गुग्गुल - घटकद्रव्य व उपयोग.
Gokshuradi Guggulu - ingredients and its uses.
- चंद्रोदय वर्ति - घटकद्रव्य व उपयोगिता.
Chandrodaya Varti-ingredients and therapeutic uses.
- कुटजारिष्ट-घटकद्रव्य व चिकित्सेतील उपयोग.
Kutajarishta - ingredients and therapeutic uses.



Final M.D. Ayurveda (Ayurveda Vachaspati - Rasashastra and Bhaisajya Kalpana) (2012)/(2017) Examination, Winter - 2021 (Phase - II)
PHARMACOLOGY AND PHARMACY MANAGEMENT - IV
(Syllabus of Final MD Ayurveda - 2012 is applicable to Old/New/2010/2012/2017 Students)

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1. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]
Long answer question:
'Routes of drug administration' या विषयी सविस्तर लिहा.
Write in detail on 'Routes of drug administration'.
2. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]
Long answer question:
'Pharmacovigilance' या विषयी सविस्तर लिहा. Ayurvedic drugs च्या Pharmacovigilance या विषयी लिहा.
Write in detail on pharmacovigilance. Write pharmacovigilance of ayurvedic drugs.
3. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]
Long answer question:
Ayurvedic drug industry मधील Good manufacturing practices या विषयी लिहा.
Write on good manufacturing practices related to Ayurvedic drug industry.

4. दीर्घोत्तरी प्रश्न:

Long answer question:

Dispensing व Community pharmacy याविषयी सविस्तर लिहा.

Write in detail on Dispensing and Community pharmacy.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ):

Short answer question (any eight out of ten):

a) लॉज परटेनिंग टू मॅजीक रिमेडीज.

Laws pertaining to magic remedies.

b) लॉज परटेनिंग टू नार्कोटिक्स.

Laws pertaining to Narcotics.

c) प्रिवेंशन ऑफ फूड अडल्टरेशन (PFA) अॅक्ट.

Prevention of Food Adulteration (PFA) Act.

d) फारमॅकोडायनामिक्स अॅण्ड फारमॅकोकायनेटिक्स.

Pharmacodynamics and Pharmacokinetics.

e) आयुर्वेदिक फार्माकोपिया ऑफ इंडिया.

Ayurvedic Pharmacopeia of India.

f) गुड क्लिनिकल प्रॅक्टिसेस.

Good clinical practices.

g) इंडियन फार्माकोपिया.

Indian Pharmacopeia.

h) फॅक्टरी अँड फार्मसी अॅक्ट.

Factory and Pharmacy Act.

i) बायोअॅसे.

Bioassay.

j) बायोअॅव्हॅलॅबिलिटी.

Bioavailability.



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PHARMACOLOGY & PHARMACY MANAGEMENT - IV

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Total Duration : 3 Hours

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1. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

औषध व प्रसाधन कायदा 1940 तील औषधी परवाना प्रक्रिया. नुतनीकरण व परवाना कालावधी संबंधित नियमांचे वर्णन करा.

Describe Rules of Drug and Cosmetic Act 1940 related with manufacturing licence procedure, renewal and period of licence.

2. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

आयुर्वेदिक व आधुनिक शास्त्रानुसार विविध औषध सेवन मार्गांचे वर्णन करा.

Describe different route of administrations as per ayurvedic and modern science.

N - 1494

P.T.O

3. दिर्घोत्तरी प्रश्न :

Long answer question :

हेवी मेटलची विषाक्तता लिहा. आयुर्वेदिक औषधातील मेटलची मान्यता प्राप्त प्रमाण व ते तपासणीसाठी लागणारी विविध यंत्रांचे वर्णन करा.

Write Toxicity of Heavy metal. Write permissible limits of Heavy metal for Ayurvedic medicines. Write different instruments used for detection of Heavy metals in Ayurvedic medicines.

4. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

आयुर्वेदिक औषधांच्या चांगल्या निर्माण पद्धती (GMP) चे सविस्तर वर्णन करा.

Write in detail about Good Manufacturing Practise related to Ayurvedic Medicine.

5. लघुत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out ten) :

a) क्लिनिकल रिसर्चच्या विविध अवस्था.

Different Phases of Clinical Research.

b) जसद - कमतरता व अतियोग लक्षण.

Zinc - Deficiencies and excess symptoms.

c) आदर्श औषधी योजना पत्रक. (Prescription)

Ideal Prescription.

d) औषधी व प्रसाधन कायदा 1940 नुसार आयुर्वेदिक औषधांचा सवीर्यतावधी.

Shelf life of Ayurvedic Medicines as per Drug and Cosmetic Act 1940.

e) फार्म्याकोकायनेटिक

Pharmacokinetic

- f) फार्म्याकोव्हिलन्स
Pharmacovigilance
- g) तीव्र विषाक्तता.
Acute Toxicity.
- h) आयुर्वेदिक औषधीकल्पांच्या विषाक्ततेची माहिती व आवश्यकता.
Need & knowledge of Toxicity of Ayurvedic Formulations.
- i) बौद्धिक मालमत्ता अधिकार.
Intellectual Property Right.
- j) टि.के.डी.एल.
T.K.D. L. (Traditional Knowledge Digital Library.)



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1. दिर्घोत्तरी प्रश्न :

Long answer question :

“रसजारणा” म्हणजे काय? अविधी रसद्रव्य सेवन जन्य विकार लिहून विकार शांति उपाय लिहा.

What is “Rasjarna”? Write the Avidhi Rasadravya sevanjanya vikar and vikar shanti upaya.

[1 × 15 = 15]

2. दिर्घोत्तरी प्रश्न :

Long answer question :

खालील खरलीय रसायनांचे निर्माण, पाठ संयोजन, मात्रा, अनुपान, आमयिक प्रयोग, कार्मुकत्व व उपयोग लिहा.

अ) हृदयार्णव रस

ब) त्रिभुवनकीर्तिरस

क) सूतशेखर रस

Write formulation and composition, dose, Anupana method of administration, therapeutic efficiency and uses of following kharaliya rasayana

a) Hridayarnava Rasa

b) Tribhuvankirti Ras

c) Sutashekhar Rasa.

[1 × 15 = 15]

3. दिर्घोत्तरी प्रश्न :

Long answer question :

कूपीपक्व रसायनांची परिभाषा व प्रकार लिहून सिद्धमकरध्वज घटक द्रव्ये निर्मिती प्रक्रिया, मात्रा व उपयोग लिहा.

Write the definition and types of Kupipakwa Rasayana, Write ingredients, manufacturing process, dose and therapeutic uses of Siddha Makardhwaja.

4. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

खालील कल्पांचे निर्माण, मात्रा रोगाधिकार व अनुपान लिहा.

अ) रास्ना सप्तक काथ

ब) रसोन क्षीरपाक

क) ताप्यादि लौह

Write preparation, dose, therapeutic indications and Anupana of following kalpas.

a) Rasna-saptak Kwatha

b) Rason Kshirpak

c) Tapyadi Louha

5. लघुत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out ten) :

a) आरोग्यवर्धिनी वटी - घटकद्रव्य व रोगाधिकार.

Arogya Vardhini Vati - Ingredients and Therapeutic Indications.

b) वैश्वानर चूर्ण - घटकद्रव्य व रोगाधिकार.

Vaishwanar Churna - Ingredients and Therapeutic Indications.

c) कांचनार गुग्गुल - घटकद्रव्य व रोगाधिकार.

Kanchnar Guggulu - Ingredients and Therapeutic Indications

- d) शतावरी घृत - घटकद्वय व रोगाधिकार
Shatavari Ghrit - Ingredients and Therapeutic Indications
- e) कुमकुमादि तैल - घटकद्वय व रोगाधिकार.
Kumkumadi Taila - Ingredients and Therapeutic Indications
- f) महाद्राक्षासव - घटकद्वय व रोगाधिकार.
Maha Drakshasava - Ingredients and Therapeutic Indications
- g) नवायस लौह - घटकद्वय व रोगाधिकार.
Navayas Lauha - Ingredients and Therapeutic Indications
- h) गंधक रसायन - घटकद्वय व रोगाधिकार.
Gandhak Rasayana - Ingredients and Therapeutic Indications
- i) माणिक्य रस - घटकद्वय व रोगाधिकार.
Manikya Rasa - Ingredients and Therapeutic Indications
- j) श्वेत पर्पटी - घटकद्वय व रोगाधिकार.
Shweta Parpati - Ingredients and Therapeutic Indications



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1. दीर्घोत्तरी प्रश्न :

[1×15=15]

Long answer question :

क्लिनिकल फॉर्मोकोलॉजीचे सविस्तर वर्णन करा.

Describe Clinical Pharmacology in detail.

2. दीर्घोत्तरी प्रश्न :

[1×15=15]

Long answer question :

फार्मोकोडायनामिक्स व फार्मोकोकायनेटिक्स या विषयी सविस्तर लिहा.

Write in detail about Pharmacodynamics and Pharmacokinetics.

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3. दीर्घोत्तरी प्रश्न :

[1×15=15]

Long answer question :

औषधी सेवन मार्ग सविस्तर वर्णन करा.

Explain in detail routes of Administration of drugs.

4. दीर्घोत्तरी प्रश्न :

[1×15=15]

Long answer question :

सविस्तर वर्णन करा - स्कोप अँड इव्होल्युशन ऑफ फार्मसी, इन्फॉर्मेशन रीसोर्सेस इन फार्मसी अँड फार्मास्युटिकल सायन्स.

Describe scope and evolution of Pharmacy, Information resources in Pharmacy and Pharmaceutical science.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8×5=40]

Short answer question (any eight out of ten) :

a) पॅकेजिंग मटेरिअल्स आणि लेबलिंग.

Packaging materials and labeling.

b) विषाक्ततेचे प्रकार.

Types of toxicity.

c) कंझ्युमर प्रोटेक्शन अॅक्ट 1986.

Consumer Protection Act 1986.

d) अॅडव्हर्स ड्रग रिअॅक्शन.

Adverse drug reaction.

e) आयुर्वेदिक फार्माकोपिया.

Ayurvedic Pharmacopodia.

f) ट्रॅडिशनल नॉलेज ऑफ डीजिटल लायब्ररी.

Traditional knowledge of digital library.

g) कम्युनिटी फार्मसी.

Community Pharmacy.

h) फार्माकोव्हिजिलन्स

Pharmacovigilance.

i) फार्मास्युटिकल मार्केटींग

Pharmaceutical Marketing.

j) मानव शरीरातील विविध तत्वांची हीनता व अत्याधिकता (लोह व ताप).

Deficiencies and excess of various elements in human body (Iron & Copper).



Final M.D. Ayurveda (Ayurveda Vachaspati - Rasa Shastra & Bhaishajya Kalpana) (2012)/(2017) Examination, (Phase - III) Winter - 2024

BHAISHAJYA KALPANA - II

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1. दीर्घोत्तरी प्रश्न :

Long answer question :

[1×15=15]

स्नेह कल्पना निर्माण विधी व मानकीकरणांचे सविस्तर वर्णन करा.

Describe method of preparation and standardization of sneha Kalpana.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

[1×15=15]

नेत्रोपचारार्थ कल्पनांची नावे लिहा व तर्पण विधीचे सविस्तर वर्णन करा.

Write name of Netropachararth Kalpana. Describe Tarpana Kalpana in detail.

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[1×15=15]

दीर्घोत्तरी प्रश्न :

Long answer question :

विविध निष्कासन पद्धतीचे सविस्तर वर्णन करा.

Describe different methods of Expression and extraction in detail.

[1×15=15]

दीर्घोत्तरी प्रश्न :

Long answer question :

मलहर कल्पना व इमल्शनचे सविस्तर वर्णन करा.

Describe Malhar Kalpana and Emulsion in details.

[8×5=40]

लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

Short answer question (any eight out of ten) :

- न्युट्रास्युटिकल्स.
Neutraceuticals.
- चूर्णीकरण पद्धती.
Powder size reduction methods.
- औषधसेवन काल.
Different timings of drug administration.
- टॅब्लेटचे विविध प्रकार.
Types of tablets.
- आयुर्वेदिक फॉर्म्युलरी ऑफ इंडिया.
Ayurvedic Formulary of India.
- तक्रभेद.
Types of Buttermilk.
- अवलेह कल्पनेची गुणवत्ता नियंत्रक मानके.
Avaleha Kalpana : Quality Control Parameters.
- संधान कल्पनेची सिध्दी लक्षणे.
Siddhi Lakshana of Sandhana Kalpana.
- वस्ती कल्पना भेद.
Types of Basti Kalpana.
- क्षार कल्पना.
Kshar Kalpana.



Final M.D. Ayurveda (Ayurveda Vachaspati - Rasa Shastra & Bhaishajya Kalpana) (2012/2017) Examination, (Phase - III) Winter - 2024

RASA SHASTRA - I

(Syllabus of Final MD Ayurveda - 2012 is applicable to Old/New/ 2010/2012/2017 Students)

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **black ball point pen only.**
 - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks.**
 - 5) Draw diagrams **wherever necessary.**
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all sections.**

1. दीर्घोत्तरी प्रश्न :

Long answer question :

[1×15=15]

पारदाचे सामान्य शोधन वर्णन करून पारदाचे अष्टसंस्कार वर्णन करा.

Explain samanya shodhan of parad and write in detail about Parad Ashta Sanskara.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

[1×15=15]

अग्नि, जल व काल यांचे औषधिकरणातील महत्त्व सविस्तर वर्णन करा.

Explain in detail about the Role of Agni, Jala and Kaal in Aushadhikaran.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

भस्म परिक्षा वर्णन करून त्रिवंग भस्माचे सविस्तर वर्णन करा.

Explain Bhasma Pariksha and write in detail about Trivang Bhasma.

4. दीर्घोत्तरी प्रश्न :

[1×15=15]

Long answer question :

शोधनाची परिभाषा लिहून शोधनाचे उदाहरणासहित प्रकार सविस्तर वर्णन करा.

Write definition of Shodhan and explain types of shodhan in details with examples.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8×5=40]

Short answer question (any eight out of ten) :

a) वज्र दोष वर्णन करा.

Explain Vajra Dosha.

b) हिंगोलोत्थ पारद वर्णन करा.

Explain Hingulottha Parad.

c) प्रवाल भस्म वर्णन करा.

Explain Praval Bhasma.

d) रसतरंगिणी चे वर्णन करा.

Write in detail about Rasatarangini.

e) सवीर्यतावधी वर्णन करा.

Explain shelf life.

f) अभ्रकाचे ग्राहयाग्राह्यत्व लिहा.

Explain Grahyagrahyatwa of Abhrak.

g) वालुका यंत्र वर्णन करा.

Explain Valuka Yantra.

h) ओव्हन व ड्रायर.

Oven and Drier.

i) अभ्रक सत्व निर्माण.

Preparation of Abhraka Satva.

j) अर्वाचीन व आधुनिक चूर्णीकरण पद्धती.

Ancient and Contemporary Grinding Techniques.



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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI - RASA SHASTRA & BHAISHAJYA
KALPANA) (2017/2012/2010/Old/New)

Rasa Shastra – I

Total Duration : 3 Hrs.

Total Marks : 100

- Instruction:**
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

1. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

संस्कार म्हणजे काय ते सांगुन औषधी निर्माणातील अग्नि संस्काराचे कार्य वर्णन करा.

Define Sanskara in Aushadhi nirman and describe role of Agni in Aushadhi nirman process.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

पर्पटी कल्पनेची व्याख्या, प्रकार, निर्माण प्रक्रिया, सिद्धी लक्षणे प्रमाणीकरण यांचे वर्णन करा.

Define Parpati Kalpana, write its types, manufacturing process, siddhilakshana and standardization in detail.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

अभ्रक या द्रव्याचे पर्यायी नावे, प्रकार, ग्राह्याग्राह्यत्व, शोधन, मारण, सत्वपातन व आमयिक प्रयोग वर्णन करा.

Describe Abhraka with its synonyms, types, grahyagrahyatwa, shodhan, maran, satvapatan and therapeutic uses.

4. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

धातुचे विविध प्रकार वर्णन करुन ताम्र या धातुचे पर्यायी नाव, प्रकार, ग्राह्याग्राह्यत्व, शोधन, मारण, अमृतीकरण व उपयोग सविस्तर वर्णन करा.

Write types of Dhatu and describe Tamra dhatu with its synonyms, types, grahya-grahyatwa, shodhan, maran, amritikaran and uses in detail.

PTO

5.. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

(8x5=40)

Short answer question (any eight out of ten):

- a) पारद गती व त्यांचे महत्त्व थोडक्यात लिहा.
Write Parad Gati and its importance in short.
 - b) शोधन व्याख्या दोन उदाहरणांसह लिहा.
Define Shodhan with two examples.
 - c) जारणा व्याख्या व प्रकार लिहा.
Write definition and types of Jarana.
 - d) वालुकायंत्र रचना व उपयोग लिहा.
Write structure and uses of Valukayantra.
 - e) पुट व्याख्या, महत्त्व व प्रकार लिहा.
Write definition, importance and types of Puta.
 - f) ओव्हन रचना व उपयोग लिहा.
Write structure and uses of Oven.
 - g) रत्न व्याख्या व दोष लिहा.
Define Ratna and write its doshas.
 - h) रसेंद्र चिंतामणी ग्रंथाचे वैशिष्ट्ये लिहा.
Write Special emphasis of Rasendra Chintamani.
 - i) लवण वर्ग थोडक्यात वर्णन करा.
Write in brief Lavan varga.
 - j) प्रवाळ पिष्टी निर्माण प्रक्रिया व उपयोग लिहा.
Write manufacturing process of Praval Pishti and its uses.
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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI - RASA SHASTRA & BHAISHAJYA
KALPANA) (2017/2012/2010/Old/New)

Bhaishajya Kalpana – II

Total Duration : 3 Hrs.

Total Marks : 100

- Instruction:**
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

1. दीर्घोत्तरी प्रश्न :

Long answer question : (1x15=15)

औषज्य कल्पनेचे आधारभूत सिद्धांत कोणते ते सांगून त्याचे औषधी निर्माणातील महत्व वर्णन करा.

Write basic principles of Bhaishajya kalpana and describe its importance in drug manufacturing process.

2. दीर्घोत्तरी प्रश्न :

Long answer question : (1x15=15)

संधान कल्पना व्याख्या, प्रकार, निर्माण प्रक्रिया, सिद्धी लक्षणे, आधुनिक मानकीकरण व त्याचे चिकित्सेतील महत्व वर्णन करा.

Define Sandhan kalpana. Write its types, manufacturing process, confirmatory tests, modern quality testing and therapeutic importance in detail.

3. दीर्घोत्तरी प्रश्न :

Long answer question : (1x15=15)

गुटी वटी कल्पना निर्माण विधी प्राचीन व आधुनिक पद्धती नुसार वर्णन करा.

Write manufacturing process of Gutti and Vati with traditional and modern methods.

4. दीर्घोत्तरी प्रश्न :

Long answer question : (1x15=15)

विविध आयुर्वेदिक सौंदर्य प्रसाधनांची माहिती सविस्तर लिहा.

Write various Ayurvedic cosmetics in details.

PTO

5.. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

(8x5=40)

Short answer question (any eight out of ten):

- a) यवागु कल्पना - निर्माण विधी व उपयोग लिहा.
Write preparation of Yavagu Kalpana and its uses.
 - b) क्षार कल्पना निर्माण विधी व उपयोग लिहा.
Write preparation of Ksharkalpana and its uses.
 - c) अवलेह व्याख्या व सिद्धी लक्षणे लिहा.
Define Avaleha and its confirmatory tests.
 - d) तर्पण विधी व त्याचा चिकित्सेतील उपयोग लिहा.
Write Tarpan process and its therapeutic uses.
 - e) मंथ कल्पना व्याख्या सोदाहरण लिहा.
Define Mantha Kalpana with example.
 - f) स्नेहपाक व्याख्या व सिद्धी लक्षणे लिहा.
Define Snehapaka with confirmatory tests.
 - g) क्षीरपाक व्याख्या, निर्माण प्रक्रिया व चिकित्सेतील उपयोग लिहा.
Define Ksheerpaka kalpana with its preparation method and therapeutic uses.
 - h) आयुर्वेदिक फॉर्म्युलरी ऑफ इंडिया (AFI) विषयी थोडक्यात लिहा.
Write short note on Ayurvedic Formulary of India (AFI).
 - i) चूर्ण कल्पनेसाठी लागणाऱ्या यंत्रोपकरणांची माहिती लिहा.
Write the instruments equipments required for powder dosage form.
 - j) प्रतिमर्श नस्य - मात्रा व महत्व लिहा.
Write dose and importance of Pratimarsha Nasya.
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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI - RASA SHASTRA & BHAISHAJYA
KALPANA) (2012)

Rasa Chikitsa & Aushadha Yoga Vigyana - III

Total Duration : 3 Hrs.

Total Marks : 100

- Instruction:**
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

1. दीर्घोत्तरी प्रश्न :

(1x15=15)

Long answer question :

चंद्रप्रभावटी या कल्पाचे घटकद्रव्य, निर्माण विधी, कार्मुकता, रोगघ्नता, मात्रा व अनुपान लिहा.

Write ingredients, method of preparation, probable mode of action, therapeutic efficacy, dose, anupan of 'Chandraprabhavati'.

2. दीर्घोत्तरी प्रश्न :

(1x15=15)

Long answer question :

पर्पटी कल्पना निर्मितीचे सविस्तर वर्णन करून रसपर्पटी व श्वेतपर्पटीचे सविस्तर वर्णन करा.
Describe preparation of Parpati kalpana and explain Rasa parpati and Shwet parpati in detail.

3. दीर्घोत्तरी प्रश्न :

(1x15=15)

Long answer question :

खालील कल्पांचे घटक द्रव्ये, निर्माण विधी, रोगघ्नता, मात्रा व अनुपान लिहा.

१) पुनर्नवाष्टक क्वाथ

२) अर्जून क्षीरपाक

३) तुलसी स्वरस

Write ingredients, method of preparation, therapeutic efficacy, dose, anupan of following kalpas:

- 1) Punamavashtaka Kwath
- 2) Arjun Kshirpak
- 3) Tulasi Swaras.

PTO

4. दीर्घोत्तरी प्रश्न :

(1x15=15)

Long answer question :

खालील कल्पांचे घटकद्रव्य, निर्माण विधी, कार्मुकता, रोगघ्नता, मात्रा व अनुपान लिहा .

१) त्रिफळा गुग्गुळ

२) कांचनार गुग्गुळ

३) रास्नादि गुग्गुळ

Write ingredients, method of preparation, mode of action, therapeutic efficacy, dose, anupan of following kalpas.

1) Triphala Guggul

2) Kanchanar Guggul

3) Rasnadi Guggul

5.. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

(8x5=40)

Short answer question (any eight out of ten):

- a) रसचिकित्सा
Rasachikitsa
- b) त्रिभुवन किर्ती रस
Tribhuvan kirti Rasa
- c) सप्तामृत लोह
Saptamrut Loha
- d) रसगर्भ पोडली
Rasagarbha Pottali
- e) रसपुष्प
Rasapushpa
- f) शतधौत घृत
Shatadhouta Ghruta
- g) षडंगपानीय
Shadanga paniya
- h) दशांग लेप
Dashanga Lepa
- i) अजमोदा अर्क
Ajmoda Ark
- j) वासावलेह
Vasavaleha

FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI - RASA SHASTRA & BHAISHAJYA
KALPANA) (2017/2012/2010/Old/New)

Pharmacology & Pharmacy Management – IV

Total Duration : 3 Hrs.

Total Marks : 100

- Instruction:**
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

1. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

फार्मसी मधील औषधांचे मार्केटींग, वितरण (रिलीज) व औषधे वापस घेणे (withdrawals) बद्दल सविस्तर वर्णन करा.

Describe process involved in Pharmaceutical Marketing, release of product and withdrawals of product in detail.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

'Clinical Pharmacology' म्हणजे काय ते सांगून त्याची गरज व 'clinical research' पध्दती वर्णन करा.

Define 'Clinical Pharmacology'. Write about need and methods of clinical research.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

हेवी मेटल म्हणजे काय ते लिहून तिब्र (Acute) व दीर्घकालीन (Chronic) विषाक्तता लक्षणे लिहा.

What is mean by heavy metals, describe Acute & Chronic toxicity of Mercury, Lead & Arsenic.

4. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

Factory आणि Pharmacy Act वर्णन करा.

Describe Factory and Pharmacy Act.

5.. लघुत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

(8x5=40)

Short answer question (any eight out of ten):

- a) अॅडव्हर्स ड्रग रिअॅक्शन
Adverse drug reaction.
- b) गूड मॅन्युफॅक्चरिंग प्रॅक्टिसेस मधील ASU मेडिसीनचे 'शेड्यूल टी' लिहा.
Write Schedule 'T' – Good manufacturing practices for ASU medicine.
- c) इंडियन फार्माकोपिया
Indian Pharmacopoeia.
- d) आर्युवेदामधील 'Formulation studies' ची गरज लिहा.
Need of 'Formulation studies' in ayurveda.
- e) सेल लाईन स्टडीज
Cell line studies.
- f) फरक लिहा - फार्मॅकोकायनेटिक्स आणि फार्मॅकोडायनामिक्स
Difference between Pharmacokinetics and Pharmacodynamics.
- g) फार्माकोव्हिजिलन्सची अॅडव्हायजरी कमिटी मेबर आणि कार्यपध्दती लिहा.
Advisory committee members and functions of 'Pharmacovigilance'.
- h) पर्सनल मॅनेजमेंट
Personal Management.
- i) फेजेस ऑफ क्लिनीकल ट्रायल
Phases of 'Clinical trial'.
- j) प्रिव्हेंशन ऑफ फूड अडल्टेरेशन ॲक्ट.
Prevention of Food Adulteration Act.