

**Final M.D. Ayurveda (Ayurveda Vachaspati - Kriya Sharir)
(2012)/(2017) Examination, Winter (Phase - II) - 2021
KOSTHANGAE KRIYA VIJNANA - III
(Syllabus of Final MD Ayurveda - 2012 is applicable to Old/New/
2010/2012/2017 Students)**

Total Marks : 100

Total Duration : 3 Hours

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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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 answerbook for **all** sections.

1. दीर्घोत्तरी प्रश्न : [1 × 15 = 15]

Long answer question :

यकृताची सुक्ष्मरचना लिहून त्याचे कार्य व प्रतिहारीणी सिरेची निर्मिती व कार्ये सविस्तर लिहा.

Write Histological structure of Liver, its functions and write formation and important function of Portal-vein.

2. दीर्घोत्तरी प्रश्न : [1 × 15 = 15]

Long Answer question :

आहाराचे वर्गीकरण करून आहाराचे महत्व कार्य सांगून अष्टआहारविधि विशेषयातनाचे महत्व लिहा.

Write classification of Ahara its importance, functions and also write importance of Astaahara vidhi Vishesayatane.

3. दीर्घोत्तरी प्रश्न :

Long Answer question :

शरीरक्रियात्मक कोष्ठाचे प्रकार सांगून कोष्ठ परीक्षणाचे महत्व स्पष्ट करा.

Write Physiological types of Kostha and importance of Kostha Parikshana.

4. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long Answer question :

अवस्थापाक व निष्ठापाक यांतील भेद स्पष्ट करून दोषांचे आहारपाकातील महत्व लिहा.

Write difference between Avasthapak and Nishthapaka and role and importance of Doshas in Aharapaka.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out of ten) :

a) बायोकेमिकल स्ट्रक्चर ऑफ प्रोटीन्स बदल लिहा.

Write Biochemical structure of Proteins.

b) अतिसार व चर्दी यांचे व्यावहारिक दृष्ट्या क्रियात्मक वर्णन करा.

Write applied Physiology of Diarrhoea and vomiting.

c) इंटेरिक नर्व्हस सिस्टम बदल माहिती लिहा.

Write about Enteric Nervous system.

d) लघ्वांत्रातील हालचाली विषयी लिहा.

Write about movements of Small-Intestine.

e) जीवनसत्व “अ” चे प्राप्तीस्थान रोजची मात्रा व त्याचे कार्य लिहून कमतरतेमुळे होणारे व्याधी लिहा.

Give sources of Vitamin "A", Daily requirement functions and its deficiency diseases.

f) लालस्रावी ग्रंथीस्राव संघटन व कार्ये लिहा.

Write composition of Saliva and its functions.

g) आमाशयाच्या ठिकाणी असणारे दोष-धातु व मल यांचे वर्णन करा.

Write Dosha-dhatu-mala present in Aamashaya.

h) आंत्राच्या ठिकाणी असणाऱ्या जिवाणू (मायक्रोबायोटा) यांचे आरोग्य व व्याधीतील महत्त्व लिहा.

Write gut microbiota and thier role in health and disease.

i) भुताग्नी व धात्वाग्नीचे महत्त्व लिहा.

Write Importance of Bhutagni and Dhatvagni.

j) शरीरात फॅटचे पचन कसे होते ते लिहा.

Write Process of Digestion of fats.



**Final M.D. Ayurveda (Ayurveda Vachaspati - Kriya Sharir) (2012)/
(2017) Examination, Winter (Phase-II) - 2021
MODERN PHYSIOLOGY AND ITS APPLIED ASPECT - IV
(Syllabus of Final MD Ayurveda - 2012 is applicable to Old/New/
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1. दीर्घोत्तरी प्रश्न : [1 × 15 = 15]

Long answer question :

अंतःस्त्रावी ग्रंथीचे वर्गीकरण लिहून अग्न्याशय ग्रंथीच्या अंतःस्त्रावाची नावे, कार्य व क्षयवृद्धी जन्य लक्षणे सविस्तर वर्णन करा.

Write the classification of endocrine glands and describe names of hormones, functions, symptoms of hypo and hypersecretion of pancreas.

2. दीर्घोत्तरी प्रश्न : [1 × 15 = 15]

Long Answer question :

मूत्रवहसंस्थानाची क्रियात्मक रचना लिहून आधुनिक शास्त्रानुसार प्रक्रिया लिहा.

Describe functional anatomy of Urinary tract system and mechanism of formation of urine according to modern science.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

“होमिओस्टॅसिस” सविस्तर वर्णन करा.

Explain "Homeostasis" in detail.

4. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

मस्तिष्काच्या विविध भागांचे कार्य सविस्तर वर्णन करा.

Explain functions of different parts of brain in detail.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out of ten) :

a) नर्व्ह इम्पल्सची वहन प्रक्रिया लिहा.

Write mechanism of propagation of nerve impulse.

b) स्पायरोमेट्री व फुफफुसकार्य क्षमता परीक्षण.

Spirometry and Lung function test.

c) सेल मेडियेटेड इम्युनिटी.

Cell mediated Immunity.

d) रक्तगट लिहून रक्तदानाचे सिद्धांत लिहा.

Write Blood Groups and principles of blood transfusion.

e) हृदयाची गती व त्याचे नियंत्रण लिहा.

Describe Heart rate and its regulation.

f) योगाची शारीरक्रिया लिहा.

Write physiology of Yoga.

g) अडीपोझ टिशूचे कार्य लिहा.

Write functions of Adipose tissue.

h) रेस्टिंग मेम्ब्रेन पोटेनशिअल व अक्शन पोटेनशिअल.

Resting membrane potential and action potential.

i) स्परमॅटोजेनेसिस

Spermatogenesis

j) हृत्पेशी, स्केलेटलपेशी व स्मूथपेशींचे विद्युतीय व यांत्रिकीय गुणधर्म लिहा.

Write electrical and mechanical properties of cardiac, skeletal and smooth muscles.



Final M.D. Ayurveda (Kriya Sharir) (2012)/(2017) Examination,
Winter - 2022

MODERN PHYSIOLOGY AND ITS APPLIED ASPECT - IV

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1. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

ऑटोनॉमिक नर्व्हस सिस्टिम चे कार्य सविस्तर वर्णन करा.

Describe the functions of Autonomic Nervous system in detail.

2. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

आधुनिक वैद्यक शास्त्रानुसार श्वसन प्रक्रिया सविस्तर वर्णन करून वायुंचे ट्रान्सपोर्ट वर्णन करा.

Explain Mechanism of Respiration and Gaseous transport according to Modern science.

3. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

हार्मोनचे प्रकार सांगून अधिवृक्क ग्रंथी, हार्मोनचे कार्य सविस्तर लिहून त्यांच्या अतिस्त्राव व अल्पस्त्राव परिणामाचे वर्णन करा.

Describe types of Hormones and explain the functions of Suprarenal gland hormones and effects of hyper-secretion and hypo secretion in detail.

4. दीर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

श्वेतकण विकासाचे टप्पे सविस्तर सांगून त्यांचे प्रकार सविस्तर वर्णन करा.

Describe stages of development of WBCs and types of WBC in detail.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out of ten) :

a) अॅडिपोझ टिश्यूचे कार्य लिहा.

Write down functions of Adipose tissue.

b) स्पर्मॅटोजेनेसिस प्रक्रिया लिहा.

Write down process of Spermatogenesis.

c) टीप लिहा - व्याधी क्षमत्व.

Write down short note on - Immunity

d) टीप लिहा - निगेटिव्ह फीडबॅक मेकॅनिझम.

Write down short note on - Negative Feedback Mechanism.

e) मेड्युला ऑबलॅंगॅटाची कार्ये लिहा.

Write down functions of Medulla Oblongata.

f) आधुनिक शास्त्रानुसार रक्ताची कार्ये वर्णन करा.

Explain functions of Blood as per modern.

g) टीप लिहा - इन्शुलीन.

Write down short note on - Insulin.

h) टीप लिहा - जीन एक्सप्रेशन.

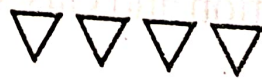
Write down short note on - Gene expression.

i) टीप लिहा - सेल मेम्ब्रेन.

Write down short note on - Cell Membrane.

j) टीप लिहा - सिबॅशियस ग्लॅंड.

Write down short note on - Sebaceous gland.



Final M.D. Ayurveda (Kriya Sharir) (2012) (2017)

Examination, Winter - 2022

KOSTHANGAE KRIYA VIJNANA - III

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 - 7) Use a common answer book for all sections.

1. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]

Long answer question:

“आहारविधी विशेषायतन” सविस्तर वर्णन करा.

Describe “Aahar Vidhi Visheshayatana” in details.

2. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]

Long answer question:

“अवस्थापक” सविस्तर वर्णन करा.

Describe “Avasthapak” in details.

3. दीर्घोत्तरी प्रश्न: [1 × 15 = 15]

Long answer question:

अन्न पचन व शोषण संदर्भात न्यूरोएंडोक्राईन प्रक्रिया स्पष्ट करा.

Explain role of “Neuro-Endocrine” mechanism in the process of Digestion & absorption.

4. दीर्घोत्तरी प्रश्न:

[1 × 15 = 15]

Long answer question:

प्रोटीन चयापचय वर्णन करा.

Describe protein Metabolism.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ):

[8 × 5 = 40]

Short answer question (any eight out of ten):

a) लिव्हर हिस्टॉलॉजी लिहा.

Write down Histology of Liver.

b) आहार परिणामकर भाव वर्णन करा.

Describe "Aahar Parinamkar Bhava".

c) अतिसाराची संप्राप्ति लिहा.

Write down Pathophysiology (Samprapti) of "Atisar".

d) कार्बोहायड्रेट कार्य लिहा.

Write down functions of Carbohydrates.

e) गट मायक्रोबायोटा बदल लिहा.

Write down about "Gut microbiota".

f) मांस धात्वग्नी बदल लिहा.

Write down about "Mansa Dhatvagni".

g) जीवनसत्व ड बदल लिहा.

Write down about Vitamin D.

h) जीवनसत्व अ कमतरतेची लक्षणे लिहा.

Write down symptoms of deficiency of Vitamin A.

i) आंत्रामधील पाचक स्राव संघटन व कार्य लिहा.

Write down composition & functions of Intestinal Juice.

j) "अग्नी परीक्षण" वर्णन करा.

Describe "Agni Parikshana".



[Total No. of Pages : 3

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Final M.D. Ayurveda (Ayurveda Vachaspati - Kriya Sharir) (2012/2017)
Examination, Winter - 2024 Phase - III

KOSTHANGAE KRIYA VIJNANA - III

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 - 7) Use a common answerbook for all sections.

1. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

अन्नवह स्रोतसाचे मूलस्थान, कार्ये तसेच दुष्टी हेतू, स्रोतोदुष्टी लक्षणे लिहून चिकित्सेच्या दृष्टिकोणातून अन्नवह स्रोतसाचे महत्त्व सोदाहरण स्पष्ट करा.

Write 'Moolsthan', functions, dusti hetu, strotodusti lakshana of annavaha strotas and write importance of annavaha strotas with examples in clinical practice.

2. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

प्रथिनांचे (प्रोटिनस्) वर्गीकरण लिहून प्रोटिनस् ची पचन प्रक्रिया सविस्तर लिहा.

Write classifications of proteins and explain in detailed process of digestion of proteins.

P.T.O

3. दिर्घोत्तरी प्रश्न :

33123

Long answer question :

[1 × 15 = 15]

कोष्ठाची व्याख्या लिहून क्रियाशील च्या दृष्टिकोणातून कोष्ठाचे प्रकार लिहून त्याची लक्षणे वर्णन करा.
Define term Koshtha, write physiological classification of koshtha and characteristics of koshtha.

4. दिर्घोत्तरी प्रश्न :

Long answer question :

[1 × 15 = 15]

'यकृत' चा अवयवाची आयुर्वेद व आधुनिक शास्त्रानुसार कार्ये लिहून, यकृताची सूक्ष्म रचना व कार्याचे महत्त्व लिहा.

Write physiology of liver according to Ayurvedic and modern physiology and explain histology and importance of functions of 'Liver'.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out of ten) :

a) अग्नि व पित्त यामधील भेद स्पष्ट करा.

Write difference between Agni and Pitta.

b) विटॅमिन 'ई' स्रोत, आवश्यक मात्रा, कार्ये व विटॅमिन 'ई' च्या कमतरतेमुळे व अतिसेवनामुळे दिसणारी लक्षणे लिहा.

Write sources, daily requirement, function, signs and symptoms of hypovitaminosis and hyper-vitaminosis of vitamin 'E'.

c) पॅन्क्रियाज च्या पाचक-स्रावातील घटक व कार्ये लिहून पॅन्क्रियाटिक एन्झाईम्स ची कार्ये लिहा.

Write contents and functions of pancreatic juice and pancreatic enzymes.

d) आहारपचन प्रक्रियेत प्राण, अपान व समान वायुचे कार्ये स्पष्ट करा.

Explain function of Pran, Apan and Saman vayu in Aharpachan prakriya.

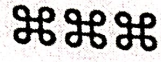
e) 'फेनभूत उदीर्यते' स्पष्ट करा.

Explain 'Phenbhut oodiryate'.

f) अन्नवह स्रोतसाच्या गतीचे (deglutition and peristalsis) वर्णन करा.

Describe movements of guti (deglutition and peristalsis) of annvaha srotasa.

- g) आहारपरीणामकर भाव लिहा.
Write ahar parinamkar bhava.
- h) अवस्थापाक व विपाक यातील भेद लिहा.
Write difference between avasthapak and vipak.
- i) अग्निचे महत्त्व स्पष्ट करा.
Write importance of Agni.
- j) कार्बोहायड्रेट्स ची शोषण प्रक्रिया लिहा.
Write process of absorption of carbohydrates.



Final M.D. Ayurveda (Ayurveda Vachaspati-Kriya Sharir)
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DOSA-DHATU-MALA VIJNANA - I

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 - 7) Use a common answer book for all sections.

1. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

मज्जा धातुचे स्थान मज्जावह स्रोतसाचे मूलस्थानाचे महत्व, गुण, कर्म, सार लक्षणे लिहून मज्जा क्षय व मज्जा वृद्धी लक्षणे वर्णन करा.

Describe location, importance of roots of majjavaha srotas, guna (attributes), functions, features of majja sara, kshaya and vruddhi of Majja Dhatu.

2. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

पित्त दोषाची निरुक्ती, गुण, सामान्य स्थाने, स्थानांचे महत्व, पित्त दोष प्रकार व कार्ये लिहून पित्त वृद्धी, क्षय लक्षणे लिहा.

Describe nirukti, guna, general locations, importance of locations of Pitta dosha, types and functions of Pitta dosha and vruddhi and kshaya lakshana of Pitta dosha.

P.T.O.

3. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

मुत्राचे कार्य, मुत्रवह स्रोतस मूलस्थाने, त्यांचे महत्व लिहा. आयुर्वेदानुसार मुत्र उत्पत्ती व निष्क्रमण लिहा.

Write functions of Mutra. Moolsthana of mutravah srotas and its importance, write Ayurvedic aspects of Mutra formation and excretion.

4. दिर्घोत्तरी प्रश्न :

[1 × 15 = 15]

Long answer question :

आर्तववह स्रोतस मूलस्थान व क्रिया लिहून रज व आर्तव यांच्यातील भेद लिहून शुद्ध व दूषित आर्तव लक्षणे लिहा, रज आणि आर्तवाचे चिकित्सेतील महत्व लिहा.

Describe Moolasthana and physiology of artavavaha srotas, Write difference between Raja and Artava, write features of Shuddha and Dushit Artava and importance of Raja and Artava in Chikitsa.

5. लघुत्तरी प्रश्न (दहापैकी कोणतेही आठ) :

[8 × 5 = 40]

Short answer question (any eight out of ten) :

a) श्लेष्मक कफ स्थान व कार्य लिहा.

Write location and functions of Shleshak Kapha.

b) आयुर्वेदानुसार 'स्तन्य' वर्णन करा.

Describe Ayurvedic aspect of 'Stanya'

c) बलवृद्धीकर भाव वर्णन करून बलाचे प्रकार लिहा.

Describe 'Bala vruddhikar bhava' and writes types of Bala.

d) स्थानसंश्रय, व्यक्ती, भेद अवस्था वर्णन करा.

Describe Sthansamshraya, Vyakti, Bheda avastha.

e) वय, ऋतु व आहारपचनानुसार त्रिदोष स्थिती लिहा.

Write status of Tridosha, as per age, season and food intake.

f) व्यान वायुचे कार्य लिहून व्यान वायु परीक्षणाची आधुनिक पद्धत लिहा.

Write function of Vyan Vayu and modern methods to examine 'Vyan Vayu functions'.

g) 'रक्तवह स्रोतस' मुलस्थान, मुलस्थानाचे महत्त्व व कार्ये वर्णन करा.

Describe moolasthan of 'Raktavaha srotas', importance and functions of Raktavaha srotas.

h) 'स्वेदाचे' कार्य, वृद्धी, क्षय लक्षणे लिहा.

Write functions, vruddhi, kshaya Lakshanas of 'Sweda'.

i) 'अस्थि धातू' तपासण्यासाठी आधुनिक परीक्षणे लिहा.

Write modern methods to examine 'Asthi Dhatu'.

j) 'रस सारता' सविस्तार वर्णन करा.

Describe 'Rasa Sarata' in detail.



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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI – KRIYA SHARIR) (2012 / 2017)

Dosa-Dhatu-Mala Vijnana - I

Total Duration : 3 Hrs.

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. 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)

पित्तदोष सामान्य स्थान, सामान्य गुण, सामान्य कर्म, प्रकार लिहून वृद्धि क्षय लक्षणे, परिक्षण पद्धती वर्णन करा.

Describe general location, general attributes, general functions, types and explain assessment of Vriddhi Kshaya lakshanas of Pittadosha.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

ओज व्याख्या, स्थान, पर्याय, प्रकार, कार्य लिहून ओज क्षय लक्षणे परिक्षण पद्धती वर्णन करा.

Write definition, location, synonyms, types, functions of Oja and explain the assessment method of Ojakshaya lakshane.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

पट्क्रियाकाल वर्णन करून त्यांचे चिकित्सीय महत्व लिहा.

Explain Shatkriyakala and write its clinical significance.

4. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

धातुपोषण न्यायाचे शरीरक्रियात्मकदृष्ट्या महत्व उदाहरणासह सविस्तर वर्णन करा.

Explain Physiological importance of Dhatu Poshana Nyaya in detail with examples.

PTO

5. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

(8x5=40)

Short answer question (any eight out of ten) :

- a) शुक्रवह स्त्रोतसाचे मूलस्थान लिहून शुक्रधातु प्रदोषज विकार लिहा.
Describe Moolsthana of Shukradhatu and write Shukradhatu Pradoshaj Vikar.
- b) कोणत्याही ४ गुर्वादी गुणांचा आहारपचनावर होणारा परिणाम वर्णन करा.
Explain effect of any 4 Gurwadi guna on Aaharpachan (food digestion).
- c) स्तन्य वृद्धि-क्षय लक्षणे परिक्षण पध्दती लिहा.
Write Stanya Vruddhi – Kshaya lakshan examination.
- d) समान वायु स्थान आणि कर्म लिहा.
Write Saman Vayu location and function.
- e) रक्तधातुचे पांचभौतिकत्व महत्व लिहा.
Write importance of Panchbhautikatva of Raktadhatu.
- f) त्रिदोष-त्रिगुण संबंध यांचे शरीरक्रियात्मक महत्व वर्णन करा.
Describe physiological importance of relation between Tridosha-Triguna.
- g) सामान्य-विशेष सिध्दांताचे महत्व लिहा.
Write importance of Samanya-Vishesha principle.
- h) मल शब्द निरुक्ति व आहारमल कार्य लिहा.
Write Nirukti of Mala word and functions of Aharmala.
- i) मांसधातु कार्याची परिक्षण पध्दती लिहा.
Write functional mechanism assessment of Mamsa dhatu.
- j) ऋतु-दोष-रस-गुण संबंध वर्णन करा.
Describe relation between Rutu-Dosha-Rasa-Guna.

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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI – KRIYA SHARIR) (2012 / 2017)

Prakriti Evum Sattva Vijnana - II

Total Duration : 3 Hrs.

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. 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)
प्रकृतिची व्याख्या लिहून वात प्रकृतिचे चरकोक्त लक्षणे लिहा.
Write definition of Prakriti and write Charakokta lakshanas of Vata Prakriti.
2. दीर्घोत्तरी प्रश्न :
Long answer question : (1x15=15)
आत्म्याची व्याख्या, प्रकार लिहून आत्मलक्षणे सविस्तर लिहा.
Describe definition, types and characteristic features of Atma.
3. दीर्घोत्तरी प्रश्न :
Long answer question : (1x15=15)
श्रोत्रेन्द्रियाचे अधिष्ठान व शब्द ग्रहण प्रक्रिया लिहा.
Write Adhishtan of Srotendriya and explain Shabda Grahan Prakriya.
4. दीर्घोत्तरी प्रश्न :
Long answer question : (1x15=15)
अर्वाचीन व आयुर्वेद दृष्टिने निद्रा सविस्तर वर्णन करा.
Describe physiology of Sleep according to Modern and Ayurveda science in detail.

PTO

5. लघुत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :
Short answer question (any eight out of ten) :

(8x5=40)

- a) मनाचे कर्म व विषय सविस्तर लिहा.
Write functions and Vishay of Mana.
 - b) शरीरातील तापमान नियंत्रण प्रक्रियेचे वर्णन करा.
Explain physiology of temperature regulation.
 - c) स्वप्नोत्पत्ति वर्णन करा.
Describe Svapnotpatti.
 - d) प्रमाण परीक्षणाचे चिकित्सीय महत्व लिहा.
Describe clinical significance of assessment of Pramana.
 - e) सोमॅटोटाईप संकल्पना लिहा.
Write concept of Somatotype.
 - f) बुद्धीचे प्रकार व कार्ये.
Types and functions of Buddhi.
 - g) प्रकृति निर्माणावर परिणाम करणारे घटक.
Factors influencing the Prakriti nirman.
 - h) व्यायामशक्ती परीक्षणाचे उपचारात्मक महत्व लिहा.
Write cliical significance of assessment of Vyayamshakti.
 - i) सार परीक्षणाचे चिकित्सीय महत्व लिहा.
Write clinical sigificance of Sara Parikshana.
 - j) मानस प्रकृतिचे प्रकार लिहून सात्विक प्रकृतिचे लक्षणे वर्णन करा.
Write types of Manas prakriti and describe characteristics of Satvik Prakriti.
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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI – KRIYA SHARIR) (2012 / 2017)

Kosthangae Kriya Vijnana - III

Total Duration : 3 Hrs.

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. 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 :
अन्नवह स्त्रोतस वर्णन करुन, आहारपाक प्रक्रिया व त्यामधील दोषांचा सहभाग सविस्तर लिहा.
Describe Annavaha srotas and explain Aharpak Prakriya with role of Dosha in Aharpak.
2. दीर्घोत्तरी प्रश्न : (1x15=15)
Long answer question :
कोष्ठ म्हणजे काय हे सांगून कोष्ठाचे प्रकार लक्षणासहित लिहून कोष्ठ परीक्षणाचे महत्व स्पष्ट करा.
What is Koshtha? Write types of Koshtha with its characteristics and importance of Koshtha Parikshana.
3. दीर्घोत्तरी प्रश्न : (1x15=15)
Long answer question :
आहाराचे वर्गीकरण लिहून आधुनिक जीवनशैलीत आहार विधि विधानाचे महत्व स्पष्ट करा.
Write classification of Aahara and explain importance of Ahar vidhi vidhan in modern life style.
4. दीर्घोत्तरी प्रश्न : (1x15=15)
Long answer question :
प्रोटीन पचनाबद्दल सविस्तर लिहा.
Write in detail about Digestion of proteins.

5. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :
Short answer question (any eight out of ten) :

(8x5=40)

- इंटेरिक नर्व्हस सिस्टम बदल माहिती लिहा.
Write about Enteric Nervous System.
- जीवनसत्त्व "सी" चे प्राप्तीस्थान, रोजची मात्रा व त्याचे कार्य लिहून कमतरतेमुळे होणारे व्याधी लिहा.
Write sources of Vitamin "C", daily requirement, functions and its deficiency diseases.
- दोषभेदाने अग्निप्रकार वर्णन करा.
Describe Agni types on the basis of Dosha.
- कुरकोष्ठ - टिप लिहा.
Write short note on Krur Koshtha.
- आरोग्य व व्याधी मधील गट मायक्रोबायोटाचे महत्व लिहा.
Write role of gut microbiota in health and disease.
- टिप लिहा - अजीर्ण.
Write short note on Ajirna.
- टिप लिहा - प्लीहा कार्ये.
Write short note on functions of Spleen.
- टिप लिहा - निष्ठा पाक.
Write short note on Nishthapak.
- टिप लिहा - डिफेकेशन रिफ्लेक्स.
Write a note on 'Defecation Reflex'.
- टिप लिहा - धात्वाग्नि व त्याचे चिकित्सीय महत्व.
Write short note on Dhatwagni and its clinical importance.

- 1) कानाद्वारे आहारपाक रीती
- 2) केश, प्रकाश, महत्व
- 3) आतलागिकेला, आहारविज्ञान
- 3) Protein digestion

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FINAL M.D. AYURVEDA (AYURVEDA VACHASPATI – KRIYA SHARIR) (2012 / 2017)

Modern Physiology and Its Applied Aspect - IV

Total Duration : 3 Hrs.

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. 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)

हार्मोन्सचे वर्गीकरण लिहून खालील मुद्यांच्या आधारे अॅडरिनल ग्लॅंडचे वर्णन करा

१) अॅडरिनल ग्लॅंड हार्मोन्स

२) अॅडरिनल ग्लॅंड हार्मोन्सची कार्ये.

३) अॅडरिनल ग्लॅंड हार्मोन्स क्षय-वृद्धिची लक्षणे.

Write classification of Hormones. Describe Adrenal Gland with the help of following points :

1) Hormones secreted by Adrenal gland.

2) Functions of Adrenal Gland hormones.

3) Effects of hypo and hyper secretion of Adrenal Gland hormones.

2. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

उजेनेसीस म्हणजे काय ते लिहून मेन्स्ट्रुअल सायकल सविस्तर लिहा.

Describe Oogenesis and write in detail about Menstrual cycle.

3. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

खालील मुद्यांचे आधारे श्वसन प्रक्रिया सविस्तर वर्णन करा.

अ) मेकॅनिझम ऑफ रेस्पिरेशन

ब) गॅसीअस एक्सचेंज अॅक्रॉस रेस्पिरेटरी मेंब्रेन.

क) कंट्रोल ऑफ रेस्पिरेशन

Write physiology of Respiration with the help of following points:

a) Mechanism of Respiration

b) Gaseous exchange across Respiratory membrane.

c) Controll of Respiration.

PTO

4. दीर्घोत्तरी प्रश्न :

Long answer question :

(1x15=15)

इरिथ्रोपोएसिस (लाल रक्तकण पेशी निर्माण व विकास प्रक्रिया) लिहून "अॅनेमिया" ची अॅप्लाइड फिजिओलॉजी वर्णन करा.

Write about Erythropoiesis and describe the applied physiology of Anemia.

5. लघूत्तरी प्रश्न (दहा पैकी कोणतेही आठ) :

Short answer question (any eight out of ten) :

(8x5=40)

a) हार्ट साऊंड बदल सविस्तर लिहा.
Write detail note on Heart sounds.

b) ब्लडप्रेसर रेग्युलेशन लिहा.
Write Blood pressure regulation.

c) कार्डिअक मसल च्या प्रॉपर्टीज लिहा.
Write properties of Cardiac muscles.

d) लिंबीक सिस्टीम म्हणजे काय ते लिहून तिचे कार्य लिहा.
What is Limbic system? Write its functions.

e) ब्लड ग्रुप बदल लिहून ब्लड ट्रान्सफ्युजन चे प्रिंसिपल्स लिहा.
Write about blood group and write principles of blood transfusion.

f) Renal Function Test बदल लिहा.
Write note on Renal Function Test.

g) स्पायरोमेट्री बदल लिहा.
Write a note on Spirometry.

h) योगनिद्रा स्पष्ट करा व तिचा शरीर व निद्रेवरील परिणाम लिहा.
Write about Yognidra and its effects on sleep and body.

i) लायपोप्रोटीन व त्याचे महत्व लिहा.
Write Lipoproteins and its importance.

j) सेल मिडियेटेड इम्युनिटी बदल लिहा.
Write about Cell Mediated Immunity.

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