

Roll No

Institute of Teaching and Research in Ayurveda

Ph.D. Entrance Examination - 2025

(3rd May 2025)

Paper - II

Subject

Agad Tantra evam Vidhi Vaidyak



For admission in
Ayurvidyavaridhi (Ph.D.-Ayurveda)

Conducted by:

Institute of Teaching and Research in Ayurveda
Jamnagar - 361008
Gujarat, India

Note:

1. Candidates are instructed to **NOT TO OPEN** the question booklet till said to do so.
2. Candidates are advised to read the instructions provided at last page of this question booklet carefully, before answering the questions.

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- Which of the following plant is included in Schedule E1 drug list of Ayurveda as per D & C act?

(A) <i>Euphorbia virosa</i>	(B) <i>Baliospermum montanum</i>
(C) <i>Citrullus colocynthis</i>	(D) <i>Plumbago zeylanica</i>
- Find the proper match for color of post mortem staining in external findings with most probable type of poisoning.

(A) Cherry Red - Carbon mono-oxide,	(B) Cherry Red - Opiates, Deep blue - Aniline,
Deep blue - Carbon dioxide,	Bluish green - Hydrocyanic acid (HCN)
Bluish green - H ₂ S	
(C) Cherry Red - H ₂ S, Green - Opiates,	(D) Cherry Red - Aniline, Deep blue - Carbon mono-oxide,
Dark brown or yellow - Phosphorus or Copper	Green - Phosphorus, copper, Chromates
- For DNA test, liquid blood is preserved in which of the following media?

(A) Sodium citrate	(B) Potassium oxalate
(C) EDTA	(D) Sodium fluoride
- DNA fingerprinting can be done with all EXCEPT which of the following?

(A) RBC	(B) WBC
(C) Saliva	(D) Spermatozoa
- What are correct values of diagnostic indices for sex determination from skeleton?

(A) Wash burn index in males is 73 to 94 and sacral index is <114	(B) Sciatic notch index in females is 5 to 6 while sterna index is <42
(C) Corporobasal index in males is >54.3 and sciatic notch index is 5 to 6	(D) Corporobasal index in females is >42 and sacral index is >114
- Identify the correct order of skeletal remains based on their accuracy in sex determination.

(A) Skull+Pelvis > long bones > skull alone > pelvis alone	(B) Skull alone > long bones+Pelvis > Pelvis alone > Long bones
(C) Skull+Pelvis > Pelvis alone > Skull alone > Long bones	(D) Long bones+Pelvis > Skull alone > Pelvis alone > Long bones alone
- According to *Rasatarangini*, which substance is used to purify *Euphorbia neriifolia* latex?

(A) <i>Tamarindus indica</i> juice	(B) <i>Allium sativum</i> bulb paste
(C) Cow Milk	(D) Cow urine

8. Rectified spirit should NOT be used for the preservation of viscera in suspected poisoning of _____

(A) Alcohol, Kerosene, Ether, Cloroform (B) Alcohol, Kerosene, Arsenic, Aconite
 (C) Kerosene, Lead, Cloroform, Strychnine (D) Organoclor compounds, Cloroform, Mercury, Opium

9. According to the Medical Termination of Pregnancy Act, 1971, up to what gestational age can a pregnancy be terminated based on the opinion of a single registered medical practitioner?

(A) 8 weeks (B) 12 weeks
 (C) 20 weeks (D) 16 weeks

10. As per the Indian Penal Code, what is the age of valid consent in India for:

I. Medical examination and treatment
 II. Invasive and diagnostic procedures

(A) I. >12 years and II. >18 years (B) I. >16 years and II. >18 years
 (C) I. >18 years and II. >20 years (D) I. >12 years and II. >16 years

11. According to Acharya Sushruta, numbers of अधिष्ठान for स्थावरविष are _____

(A) 12 (B) 10
 (C) 8 (D) 7

12. In starvation death, atrophy is seen in all EXCEPT _____

(A) Heart (B) Liver
 (C) Kidney (D) Brain

13. Section 84 of Indian penal code deals with _____

(A) Consent and ascent (B) Sexual harassment of a child
 (C) Drug abuse (D) Criminal responsibility of Insane person

14. As per the Acharya Sushruta, oral administration of दृष्टिविषारि अगद is recommended in _____

(A) आमाशयगत विष (B) पक्वाशयगत विष
 (C) विष उपद्रव (D) हृदगत विष

15. Regarding the timing of administration of polyvalent anti-snake venom (ASV), what is:

- The ideal time for administration?
- The time frame when its effectiveness is reduced?
- The time frame when its value becomes doubtful?

(A) i. within 8 hr, ii. after 20 and iii. After 48 hrs (B) i. within 12 hrs, ii. after 28 and iii. after 48 hrs

(C) i. within 2 hr, ii. after 2 and iii. after 12 hrs (D) i. within 4 hrs, ii. after 8 hrs and iii. after 24 hrs

16. Find out correct option considering following statements on pharmacokinetics of Morphine.

- It undergoes 1st pass metabolism in liver and it is eliminated along with its glucuronides metabolites via enterohepatic circulation.
- Morphine can be detected in feces and urine for several days.

(A) Statement i is correct, but ii is false (B) Both the statements are false

(C) Statement i is justification of statement ii (D) Statement ii is correct but statement i is not its justification

17. Find out correct option considering following statements on strychnine poisoning.

- Strychnine, stored in the liver and muscles, is released back into the bloodstream as its plasma concentration decreases
- Convulsions may still occur on the 2nd or 3rd day after poisoning.

(A) Statement- ii is correct, but i is incorrect (B) Statement- i is correct but ii is incorrect

(C) Both the statements are incorrect (D) Statement- i is justification of statement-ii

18. What are the specific manifestations of toxic मुखालेप?

(A) श्वावता and eruptions of कण्टक (B) कण्डु and शोफ like पर्यानीकण्टक

(C) मांसदारण and कण्डु (D) ग्रन्थि, गलगण्ड and आरक्तता

19. Which characteristics defines विरुद्धद्रव्य properly?

(A) 'अनलेन मान्य करोति', 'अपचीयते शरीरं', 'आवरणमाचिनोति'

(B) 'मान्यमाकरोति', 'क्रुम्यामहेतुश्च धात्वैषम्यानाम्', 'विकिलनाति धात्वादिकान् च'

(C) 'उत्क्लेष्य दोषाणांन हरेत् द्रव्यं', 'धातुनां प्रत्यनिकलया स्थितम्'

(D) 'ओकसात्म्यत्वेन् धात्वापकर्षणं जनयति', 'जनयति चोदरगुलम पाण्डवामयानि च बहूनि च'

20. Find out correct match for संयोगविरुद्ध as per Ashtanga Samgraha.

(A) मूलक-माष सूप, मूलशाक -नवनीत , (B) दधि-माष सूप, दधि-तक्र , दधि-सैन्धव
पय - कुलत्थ
(C) पय-लवण, पय-फल, पय-मधुर द्रव्य (D) पिपली-मरीच, दधि -आमलकी, दधि-सैन्धव

21. Which pathological condition, as per Ashtanga Samgraha, is responsible for the following manifestations ...भिन्न पुरिषवण्णो दुजास्त्र रोगी तृष्णोचकार्तः । मुर्छन् वमन् गदद्वार्षि मुहूर्न् भवेच्च
दुष्योदर लिङ्गजुष्टः ?

(A) जीर्ण पानात्यय (B) विरुद्धाहार
(C) दूषी विषाक्तता (D) रसाजीर्ण

22. What are manifestations of दूषी विष considering involvement of *Ashaya* (आशय) as per Ashtanga Samgraha?

(A) आमाशयस्थे अनिलपित रोगी (B) पिताशयस्थे कफवात रोगी
(C) आमाशयस्थे कफवात रोगी (D) पिताशयस्थे कफपित रोगी

23. According to Ashtanga Samgraha, what is the line of treatment for the sixth stage (षष्ठम् विषवेग) of *Sthavara Visha*, based on the stage of poisoning (विषवेग)?

(A) स्नेहसंयुक्तं अगदं प्रतिभोजयेत् (B) मधुक क्वाथ मधिकाभ्यां युतम् हितम्
(C) अतिसारवत सिद्धिः (D) अगदपानं च हितम् नस्यं तथा अञ्जनम्

24. Which among below is correct line of treatment for “कोरदुष मटनक विष”?

(A) Administration of कुष्माण्ड with (B) क्षारजलपान and management like सर्पविष
jaggery चिकित्सा
(C) स्नेहन पूर्वक प्रगाह स्नेहपान and (D) Management like विरुद्धाहार
management like विरुद्धाहार

25. As per Ashtanga Samgraha, which among below compound formulations is recommended by Acharya Kashyapa for विरेचन in the management of दूषी विष?

(A) हरीतकी, लवण, मागधि, मरीच (B) गन्धर्वस्नेह, सौवर्चल, पलाश क्षार, अमृता, सोमराजी
(C) शिरीष कुमुम, त्रिवृत, आरग्वध (D) कटुकी, अरम्वध, शिरीष, यष्टिमधु, हरिद्रा, चन्दन

26. According to Ashtanga Samgraha, what is the indication for administering ‘प्रतिविषा’?

(A) After 3rd विषवेग to 5th विषवेग (B) After 4th विषवेग to before completion of 6th
विषवेग
(C) After 5th विषवेग to before (D) Only in 7th विषवेग
completion of 7th विषवेग

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27. Which among below are ingredients of "दुष्पिविषारि अगद" mentioned in Sushrut Samhita?

(A) स्वर्ण, सैन्धव लवण, क्षारद्रव्य, (B) स्वर्ण माषिक, किलतक, स्फटिका, सुरदारु शिरीषत्वक
 (C) हरताल, अजगन्धा, पलाश क्षार, (D) सुवर्चिका, कनक गैरिक, पिप्पली, जटामासी कासीम

28. Select the true option considering following statements in reference to दूषी विष.

i. दुषिविषस्य विषत्वेऽपि स्वेदो न निषिद्ध्यते
 ii. स्वेदेन कफस्यावरकस्योपशन्तापहार्यम्

(A) Statement i is correct but ii is incorrect
 (B) Statement ii is correct but i is incorrect
 (C) Both the statements are correct but not relation between them
 (D) Both the statements are correct and statement ii is explanation of statement i

29. What are metalomineral origin सद्रव्य �ingredient(s) of क्षारागद as per Sushrut Samhita?

(A) लोह भस्म and स्वर्ण गैरिक (B) शिलाजतु and स्वर्णमाषिक भस्म
 (C) शिलाजतु (D) लोह भस्म

30. What is liquid media used for preparation of अमृतसर्पि for *Visha Chikitsa* mentioned in Dalhana commentary on Sushrut Samhita?

(A) गोमूत्र (B) गोदृश
 (C) काञ्जी (D) मस्तु

31. What is "अक्षिव पिप्पल" mentioned in the Management of कीट दंष्ट?

(A) महानिम्बजात् पिप्पलः (B) मदनफलजात् पिप्पलः
 (C) क्षिरिवृक्षजात् पिप्पलः (D) उदुम्बरजात् पिप्पलः

32. Pathological conditions mentioned below is manifested in _____

शोणित दुष्यारुः किटिभ कोठ लिङ्गं च विषमेकैकं दोषं संदूष्य हरत्वसूनेवम् ।

(A) कीट विष (B) दूषी विष
 (C) मुषक विष (D) लुता विष

33. Match the अधिकान of विष with its recommended treatments according to Charak samhita.

i. वात स्थान	a. पञ्चविधि सिराकर्म
ii. कफ स्थान	b. स्वेद
iii. रक्तस्थित दूषी विष	c. क्षारागद पान, स्वेद and सिरावेध

(A) i-c, ii-a, iii-b
 (B) i-a, ii-c, iii-b
 (C) i-b, ii-c, iii-a
 (D) i-b, ii-a, iii-c

34. What is sequence of management of मदात्यय as per Charak Samhita?

(A) कफस्थान चिकित्सा followed by पितस्थान and वातस्थान	(B) वातस्थान चिकित्सा followed by कफस्थान and पितस्थान
(C) पितस्थान चिकित्सा followed by वातस्थान and कफस्थान	(D) वातस्थान चिकित्सा followed by पितस्थान and कफस्थान

35. Find out correct option considering following statements in respect to management of मदात्यय as per Chakrapani commentary on Charaka Samhita.

Statement i - जीर्णामद्य दोषाय मद्यमेव प्रदापयेत् । समपितेन तेनैव स मद्येनोपश्याम्यति ।

Statement ii. - तेनैवैत्यनेन तापेव मद्यजाति प्रत्यव मृशति, तेनावश्यं तज्जातियमेव मद्य देयम् ।

(A) Statement i is correct but ii is incorrect	(B) Statement ii is correct but i is incorrect
(C) Both the statements are incorrect	(D) Both the statements are correct

36. According to Acharya Sushruta, which drug is recommended for the management of कर्णतीलगते श्रोत्र वैगुण्ठः?

(A) बिल्व	(B) बेष्टशृङ्ग
(C) मदयनिका	(D) सोमयल्क

37. Term "Corpus Delidi" means _____

(A) Decomposed dead body	(B) Proof of occurrence of crime in case of death
(C) Identification of dead person	(D) Decomposed body after drowning

38. All are immediate changes in somatic death except _____

(A) No breathing	(B) Flat ECG
(C) Algor mortis	(D) Cessation of function of brain

39. The pharmacovigilance system for ASU drugs operates at how many levels of reporting structure?

(A) One level	(B) Two level
(C) Three level	(D) Four level

40. Section 312-316 of Indian penal code are related to _____

(A) Criminal abortion	(B) Child abuse
(C) Illegal use of narcotics and Psychotropic drugs	(D) Punishment of rape and sexual exploitation of a woman/ women

41. As per the Acharya Sushruta, types of Scorpions with relatively mild venom (मन्दविष) are _____

(A) 12 (B) 3
(C) 15 (D) 6

42. In Arsenic poisoning, highest amount of Arsenic is found in _____

(A) Muscle (B) Kidney
(C) Liver (D) Brain

43. Malt brown reflex through slit lamp examination is indicative of _____

(A) Mercury Poisoning (B) Arsenic Poisoning
(C) Copper Poisoning (D) Lead Poisoning

44. Select the correct increasing order of cannabis forms based on the concentration of the active principle, Tetrahydrocannabinol (THC).

(A) *Bhanga (Siddhi Patti)*, < *Charasa* (B) *Ganja* < *Bhanga (Siddhi Patti)*, < *Charasa* or *Hashisha* < *Ganja*
(C) *Bhanga (Siddhi Patti)* < *Ganja* < (D) *Charasa* or *Hashisha* < *Bhanga (Siddhi Patti)* < *Ganja*

45. Which drug is NOT recommended to induce emesis in मूषक विष as per Sushruta Samhita?

(A) जालिनी (B) शुक
(C) अड्कोठ (D) आस्फोत्ता

46. Which among below snakebite causes Paralysis with Convulsions?

(A) Viper (B) Sea Snake
(C) Cobra (D) Krait

47. Dyserythropoiesis, presence of nucleated red blood cells and ringed sideroblasts in bone marrow are prominent features of which of the following chronic poisoning?

(A) Mercury (B) Arsenic
(C) Lead (D) Copper

48. Which chelating agent can be administered orally?

(A) British Ante-lewisite and EDTA (B) Dimercaprol and Penicillamine
(C) EDTA and Succimer or DMSA (D) Succimer or DMSA and Penicillamine

49. "Marshall's Triad is associated with which of the following type of injury?

50. In which stage of दर्पकर snake poisoning, मृद्धा is manifested?

(A) 3rd (B) 4th
 (C) 5th (D) 6th

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Rough work

GENERAL INSTRUCTIONS
Ph.D. Entrance Exam 2025
Institute of Teaching and Research in Ayurveda
Jamnagar, Gujarat – 361008

1. The written Test for 100 marks consists of MCQs of one mark each.
2. There will be 1/4th negative marking for incorrect answer.
3. The duration of the entrance test is 90 minutes i.e. 09.30 AM to 11.00 AM
4. The candidates are instructed to fill their Roll no. in the respective columns of OMR sheet and on Question booklet carefully.
5. Candidates are advised to use **black ball pen** for filling the information columns and marking answers.
6. Correct Method for marking answers is A B C D
7. After opening the question booklet; the candidate are instructed to confirm 1 to 50 MCQs in each booklet in a sequence. Any discrepancies in this regard should immediately be reported to the Room Supervisor / Examination Center Superintendent.
8. Candidates will not be allowed with Books, Notes, Bags, Mobiles, Pagers or any other type of electronic device inside the examination center.
9. Don't mark or write anything on the question booklet except on the page given for rough work.
10. If there is any ambiguity against the question, it should be submitted to the Examination Center Superintendent before 05:00 pm on the day of examination (3rd May, 2025); after that no such complaint will be entertained.
11. Answer Key, Result and Merit will be displayed on <https://itra.ac.in>. No separate mark sheets or call letter for interview will be posted.
12. Decision of 'Ph.D. Admission Committee' will be final in any discrepancy.