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प्रश्न-पुस्तिका क्रम संख्या
Question Booklet No.

अनुक्रमांक
Roll No.

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SET

A

PCE/2024

Animal Husbandry and Veterinary Science

परीक्षार्थी अपना अनुक्रमांक दिए गए खानों में लिखें।
Candidate should write Roll No. in the
given boxes.

मुद्रित पृष्ठों की संख्या / No. of Printed Pages : 32

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पूर्णांक / Total Marks : 450

परीक्षार्थियों के लिए निर्देश

1. परीक्षा प्रारम्भ होने के तुरन्त बाद, आप इस प्रश्न-पुस्तिका की पड़ताल अवश्य कर लें, कि इसमें कोई बिना छपा, फटा या छूटा हुआ पृष्ठ अथवा प्रश्नांश, आदि न हो। यदि ऐसा है, तो वीक्षक से तत्काल संपर्क कर प्रश्न-पुस्तिका बदल लेवें।
2. यह प्रश्न-पुस्तिका सम्मिलित रूप से दो खण्डों में विभाजित है, खण्ड – 'अ' तथा खण्ड – 'ब'।
3. खण्ड – 'अ' सामान्य अध्ययन से संबंधित है, जिसमें कुल 50 प्रश्न हैं। सभी प्रश्न हिन्दी तथा अंग्रेजी भाषा में हैं। सभी प्रश्न अनिवार्य हैं।
4. खण्ड – 'ब' संबंधित पशुपालन एवं पशुचिकित्सा विज्ञान के विषय से है, जिसमें कुल 100 प्रश्न हैं। सभी प्रश्न अंग्रेजी भाषा में हैं। सभी प्रश्न अनिवार्य हैं।
5. सभी प्रश्नों के अंक समान हैं। प्रत्येक सही उत्तर के लिए 03 अंक प्रदान किए जाएंगे। ऋणात्मक मूल्यांकन का प्रावधान है। प्रत्येक गलत उत्तर के लिए 01 अंक काटा जाएगा।
6. प्रदत्त उत्तर-पत्र (ओ.एम.आर. शीट) पर दिए गए निर्देशों को ध्यानपूर्वक पढ़ें तथा अपने उत्तर तदनुसार अंकित करें।
7. कृपया उत्तर-पत्र (ओ.एम.आर. शीट) पर निर्धारित स्थानों पर आवश्यक प्रविष्टियाँ करें, अन्यत्र स्थानों पर नहीं।
8. परीक्षार्थी सभी रफ कार्य प्रश्न-पुस्तिका के अंतिम पृष्ठों पर निर्धारित स्थान पर ही करें, अन्यत्र कहीं नहीं तथा उत्तर-पत्र (ओ.एम.आर. शीट) पर भी नहीं।
9. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो, तो प्रश्न के हिन्दी तथा अंग्रेजी रूपांतरों में से हिन्दी रूपांतर को मानक माना जाएगा। (खण्ड-अ के सन्दर्भ में)

INSTRUCTIONS TO THE CANDIDATES

1. Immediately after the commencement of the examination, you should check that this Question Booklet *does not* have any unprinted or torn or missing pages or items etc. If so, immediately contact the Invigilator and get it replaced with another Question Booklet.
2. This combined Question Booklet is divided in two Sections, Section-'A' and Section-'B'.
3. Section-'A' contains 50 questions of General Studies. All questions are in Hindi and English languages. All questions are compulsory.
4. Section-'B' contains 100 questions of concerned Animal Husbandry and Veterinary Science subject. All questions are in English language. All questions are compulsory.
5. All questions carry equal marks. Three (03) marks will be given for each *correct* answer. There is a provision of *Negative Marking*. For each wrong answer, One (01) mark will be deducted.
6. Read carefully the instructions given on the Answer Sheet (OMR) supplied and indicate your answers accordingly.
7. Kindly make necessary entries on the Answer Sheet (OMR) at the places indicated and nowhere else.
8. Examinee should do all rough work in the space meant for rough work on pages given at the end of the Question Booklet and nowhere else, not even on the Answer Sheet (OMR).
9. If there is any sort of mistake either of printing or of factual nature in any question, then out of the Hindi and English versions of the question, the Hindi version will be treated as standard (with ref. to Section-A).

खण्ड-‘अ’
सामान्य अध्ययन



1. वर्ष 2020-21 में मध्यप्रदेश के धान उत्पादक प्रमुख जिले कौन से थे?
 - A. राजगढ़, धार, झाबुआ
 - B. बालाघाट, रीवा, सतना
 - C. रतलाम, देवास, शाजापुर
 - D. छतरपुर, टीकमगढ़, निवाड़ी
2. त्रिस्तरीय रोग भार (ट्रिपल डिजीज बर्डन) में कौन-कौन सी बीमारियाँ शामिल हैं?
 - A. कैंसर, मधुमेह, अस्थमा
 - B. संक्रामक, गैर संक्रामक और प्रजनन, बाल एवं मातृ स्वास्थ्य बीमारियाँ
 - C. मानसिक, शारीरिक और सामाजिक रोग
 - D. जलजनित, खाद्यजनित और वायुवाहित रोग
3. निम्नलिखित में से कौन सी मिट्टी को कपास मिट्टी के नाम से भी जाना जाता है?
 - A. जलोढ़ मिट्टी
 - B. काली मिट्टी
 - C. रेतीली मिट्टी
 - D. लाल और पीली मिट्टी
4. स्टार्टअप प्रोग्राम (बूट लोडर) जो ऑपरेटिंग सिस्टम को प्राथमिक मेमोरी में लोड करता है, कहाँ संग्रहीत होता है?
 - A. रैंडम एक्सेस मेमोरी (RAM)
 - B. रीड-ओनली मेमोरी (ROM)
 - C. कैश मेमोरी
 - D. मुख्य मेमोरी
5. मोरते क्या है?
 - A. लोककथा
 - B. लोकनाट्य
 - C. लोकचित्र-भित्तिरेखांकन
 - D. लोकगीत
6. सिंचाई परियोजनाओं के सम्बन्ध में निम्नलिखित में से कौन सा कथन सही है?
 - A. उर्मिल परियोजना मध्यप्रदेश एवं पंजाब की संयुक्त योजना है।
 - B. राजघाट परियोजना मध्यप्रदेश एवं राजस्थान की अन्तर-राज्यीय बहुउद्देशीय परियोजना है।
 - C. हरसी परियोजना पार्वती नदी पर स्थित है।
 - D. बाणसागर परियोजना मध्यप्रदेश एवं गुजरात में स्थित है।
7. भारतीय मानक समय निर्धारित करने वाली देशांतर रेखा (82° 30' E) मध्यप्रदेश के कौन से जिले से निकलती है?
 - A. सिंगरौली
 - B. सीधी
 - C. शहडोल
 - D. अनुपपुर
8. परिव्राजक वंश किस जगह से संबंधित है?
 - A. बुंदेलखंड
 - B. बघेलखंड
 - C. निमाड़
 - D. मालवा

SECTION-‘A’
General Studies



1. Which were the major paddy-producing districts of Madhya Pradesh in the year 2020-21?
 - A. Rajgarh, Dhar, Jhabua
 - B. Balaghat, Rewa, Satna
 - C. Ratlam, Dewas, Shajapur
 - D. Chhatarpur, Tikamgarh, Niwari
2. What are the components of the triple disease burden?
 - A. Cancer, Diabetes, Asthma
 - B. Communicable, Non-communicable diseases and Issues related to reproductive, child and maternal health
 - C. Mental, physical and social illnesses
 - D. Water borne, food borne and Airborne diseases
3. Which of the following soils is also known as cotton soil?
 - A. Alluvial Soil
 - B. Black Soil
 - C. Sandy Soil
 - D. Red and Yellow Soil
4. The Startup Program (boot loader) that loads the operating system into primary memory, is stored in-
 - A. Random Access Memory (RAM)
 - B. Read Only Memory (ROM)
 - C. Cache Memory
 - D. Main Memory
5. What is Morte?
 - A. Folk Tale
 - B. Folk Drama
 - C. Folk Paintings – Mural Drawing
 - D. Folk Song
6. Which of the following statements is correct regarding irrigation projects in Madhya Pradesh?
 - A. Urmil is a joint project of Madhya Pradesh and Punjab.
 - B. Rajghat project is an inter-state multipurpose project of Madhya Pradesh and Rajasthan
 - C. Harsi project is situated on Parvati river.
 - D. Bansagar project is situated in Madhya Pradesh and Gujarat
7. The (82° 30' E) longitude that determines the Indian Standard Time passes through which district of Madhya Pradesh?
 - A. Singrauli
 - B. Sidhi
 - C. Shahdol
 - D. Anuppur
8. To which place is the Parivrajak Dynasty related?
 - A. Bundelkhand
 - B. Baghelkhand
 - C. Nimar
 - D. Malwa





9. मध्यप्रदेश के “आहार अनुदान योजना” के संबंध में कौन सा कथन असत्य है?
- A. विशेष पिछड़ी जनजातीय परिवार की महिला मुखिया को प्रतिमाह 1500 रु. की वित्तीय सहायता दी जाती है।
- B. आहार अनुदान योजना विशेष पिछड़ी जनजातीय महिलाओं से संबंधित है।
- C. आहार अनुदान योजना 15 जिलों में लागू है।
- D. आहार अनुदान योजना अन्य पिछड़े वर्ग से संबंधित है।
10. पद्मश्री भूरी बाई किस जनजाति से संबंधित हैं?
- A. भील जनजाति
- B. गोंड जनजाति
- C. अगरिया जनजाति
- D. उरान जनजाति
11. निम्नलिखित में से कौन सा ‘सिस्टम सॉफ्टवेयर’ का एक उदाहरण है?
- A. गूगल डॉक्स
- B. वर्ड प्रोसेसिंग सॉफ्टवेयर
- C. कंप्यूटर एडेड डिज़ाइन (CAD) सॉफ्टवेयर
- D. लिनक्स
12. तानसेन को महारत हासिल थी-
- A. ठुमरी
- B. धमार
- C. ध्रुपद
- D. टप्पा

13. मध्यप्रदेश में वर्ष 2003 में अनुसूचित जनजाती सूची से किन तीन जातियों को विलोपित किया गया है?
- A. परजा, मीना एवं पनिका
- B. मीना, पारधी एवं पनिका
- C. कीर, मीना एवं पारधी
- D. पारधी, परजा एवं पनिका
14. भरहुत स्तूप का विकास किस काल में हुआ?
- A. मौर्य काल
- B. शुंग काल
- C. कुषाण काल
- D. वर्धन काल
15. जेजाकभुक्ति के संस्थापक थे-
- A. धंग
- B. यशोधर्मन
- C. हर्षदेव
- D. नन्नुक
16. विभाजन से पहले छत्तीसगढ़ सहित मध्यप्रदेश में कुल कितनी लोकसभा सीटें थीं?
- A. 32
- B. 38
- C. 42
- D. 40



9. Which statement is not correct regarding the "Aahar Anudan Yojana" of Madhya Pradesh?
- A. Financial assistance of Rs 1500 per month is given to the head woman of special backward tribal family.
 - B. Aahar Anudan Yojana is related to women from the Particularly Vulnerable Tribal Groups.
 - C. Aahar Anudan Yojana is implemented in 15 districts.
 - D. Aahar Anudan Yojana is related to other backward class.
10. Padma-Shri Bhuri Bai belongs to which tribe?
- A. Bhil Tribe
 - B. Gond Tribe
 - C. Agaria Tribe
 - D. Oran Tribe
11. Which one of the following is an example of 'system software'?
- A. Google Docs
 - B. Word Processing Software
 - C. Computer Aided Design (CAD) Software
 - D. Linux
12. Tansen was expert in-
- A. Thumri
 - B. Dhamar
 - C. Dhrupad
 - D. Tappa
13. In Madhya Pradesh, which castes were omitted from the Scheduled Tribes list in 2003?
- A. Parja, Meena and Panika
 - B. Meena, Pardhi and Panika
 - C. Keer, Meena and Pardhi
 - D. Pardhi, Parja and Panika
14. In which period did Bharhut stupa develop?
- A. Mauryan Period
 - B. Shunga Period
 - C. Kushan Period
 - D. Vardhan Period
15. The founder of Jejakabhukti was-
- A. Dhang
 - B. Yashodharman
 - C. Harsh Dev
 - D. Nannuka
16. Before the division, how many total Lok Sabha seats were there in Madhya Pradesh including Chhattisgarh?
- A. 32
 - B. 38
 - C. 42
 - D. 40





17. निम्नलिखित में से कौनसा युग्म सही सुमेलित नहीं है?

	सिंचाई परियोजना	जिला
(a)	बरना घाटी परियोजना	उज्जैन
(b)	तवा परियोजना	होशंगाबाद
(c)	मटियारी बाँध परियोजना	मंडला
(d)	बरगी परियोजना	जबलपुर

A. a

B. b

C. c

D. d

18. वर्ष 2020-21 में निम्नलिखित में से कौन सा जिला मध्यप्रदेश में कपास के उत्पादन में प्रथम स्थान रखता है?

A. खरगोन

B. दमोह

C. मंडला

D. पन्ना

19. सतपुड़ा ताप विद्युत परियोजना के सम्बन्ध में कौन सा कथन सही नहीं है?

A. यह मध्यप्रदेश एवं छत्तीसगढ़ की संयुक्त परियोजना है।

B. इस संयंत्र के लिए कोयला पाथाखेड़ा से आता है।

C. जलापूर्ति तवा बांध से होती है।

D. इसे अमेरिका के सहयोग से स्थापित किया गया था।

20. निम्नलिखित में से किस प्रकार के क्लाउड में, सेवा स्तर समझौते (एस एल ए) जिन्हें उपयोगकर्ता और सेवा प्रदाता के बीच समझौते के रूप में परिभाषित किया जाता है, सबसे कमजोर होते हैं-

A. सार्वजनिक क्लाउड

B. निजी क्लाउड

C. सामुदायिक क्लाउड

D. हाइब्रिड क्लाउड

21. 'विकसित मध्यप्रदेश 2047' में कृषि क्षेत्र को किस रूप में स्थापित करने का लक्ष्य है?

A. केवल निर्यात आधारित व्यवस्था

B. स्थायी, लचीला और आर्थिक रूप से व्यवहार्य क्षेत्र

C. शहरी कृषि पर केन्द्रित

D. केवल पारम्परिक विधियों पर आधारित

22. न्यूरल नेटवर्क जिनमें बहुत सारी छिपी हुई परतें होती हैं, उन्हें कहा जाता है-

A. सुपरवाइज्ड लर्निंग नेटवर्क

B. अनसुपरवाइज्ड लर्निंग नेटवर्क

C. डीप लर्निंग नेटवर्क

D. रीइनफोर्समेंट लर्निंग नेटवर्क

23. लोहे से कृषि उपकरण एवं सजावटी शिल्पकृतियाँ मुख्य रूप से कौन सी जनजाति बनाती है?

A. दण्डामी मड़िया

B. कोरकू

C. अगरिया

D. नगासिया



17. Which of the following pair is not correctly matched?

	Irrigation Project	District
(a)	Barna Ghati Project	Ujjain
(b)	Tawa Project	Hoshangabad
(c)	Matiyari Dam Project	Mandala
(d)	Bargi Project	Jabalpur

- A. a
B. b
C. c
D. d



18. In the year 2020-21, which of the following districts holds the first position in the production of cotton in Madhya Pradesh?

- A. Khargone
B. Damoh
C. Mandla
D. Panna

19. Which of the following statements regarding the Satpura Thermal Power Project is not correct?

- A. It is a joint project of Madhya Pradesh and Chhattisgarh.
B. Coal for the plant comes from Pathakheda.
C. Water is supplied from the Tawa dam.
D. It was established with the cooperation of America.

20. In which of the following type of cloud, the service level arrangements (SLAs) which are defined as agreements between the user and the service provider are weakest?

- A. Public cloud
B. Private cloud
C. Community cloud
D. Hybrid cloud

21. What is the goal for the agriculture sector under the 'Viksit Madhya Pradesh 2047 vision'?

- A. Only export based system
B. Sustainable, resilient and economically viable sector
C. Focused on urban agriculture
D. Based only on traditional methods

22. Neural Network that has a lot of hidden layers are termed as-

- A. Supervised Learning Network
B. Unsupervised Learning Network
C. Deep Learning Network
D. Reinforcement Learning Network

23. Which tribe mainly makes agricultural tools and decorative art and craft works from iron?

- A. Dandami Madia
B. Korku
C. Agaria
D. Nagasia



24. मध्यप्रदेश के निम्नलिखित भूतपूर्व मुख्यमंत्रियों में से किसका जन्म राजस्थान राज्य के नागौर जिले में हुआ था?

- A. डॉ. कैलाश नाथ काटजू
- B. प्रकाश चंद्र सेठी
- C. मोतीलाल बोरा
- D. अर्जुन सिंह



25. कप्तान अवधेश प्रताप सिंह किस रियासत से संबंधित थे?

- A. चुरहट
- B. ग्वालियर
- C. नरसिंहगढ़
- D. रीवा

26. मोंटेनेग्रो के पेट्रोवाक में आयोजित की गई विश्व जूनियर शतरंज चैंपियनशिप 2025 में ----- ने स्वर्ण पदक जीता।

- A. जी एम प्रणव वेंकटेश
- B. दिव्या देशमुख
- C. विश्वनाथ आनंद
- D. एफ एम मैटिक लावरेंसिक

27. जैसलमेर के पत्थरों से बना भारत का पहला डिजिटल संग्रहालय 'अभय प्रभावना' कहाँ खोला गया?

- A. माउण्ट आबू राजस्थान
- B. पुणे, महाराष्ट्र
- C. सारनाथ, उत्तर प्रदेश
- D. अजयगढ़, मध्यप्रदेश

28. मालवांचल में मनाया जाने वाला प्रमुख लोकपर्व 'संजा' कब मनाया जाता है?

- A. भादो अमावस्या से भादो पूर्णिमा तक
- B. भादो पूर्णिमा से अश्विन माह की अमावस्या तक
- C. भादो पूर्णिमा से अश्विन पूर्णिमा तक
- D. सावन पूर्णिमा से भादो अमावस्या तक

29. "पेनकड़ा" है-

- A. बैगा का गोत्र पूजा स्थल
- B. गोंड का गोत्र पूजा स्थल
- C. भील का गोत्र पूजा स्थल
- D. भारिया का गोत्र पूजा स्थल

30. महाकवि केशवदास का संबंध कहाँ से है?

- A. ओरछा
- B. रीवा
- C. त्रिपुरा
- D. उज्जैन

31. कालिदास कृत कुमारसंभव किस देवता को समर्पित है?

- A. शिव-पार्वती
- B. विष्णु-लक्ष्मी
- C. ब्रह्मा-सरस्वती
- D. राधा-कृष्ण



24. Who among the following former Chief Ministers of Madhya Pradesh was born at Nagaur District of Rajasthan State?
- A. Dr. Kailash Nath Katju
B. Prakash Chandra Sethi
C. Motilal Vora
D. Arjun Singh
25. Captain Avadhesh Pratap Singh belonged to which princely state?
- A. Churahat
B. Gwalior
C. Narsinghgarh
D. Rewa
26. ----- won the gold medal in the World Junior Chess Championship 2025 held in Petrovac, Montenegro.
- A. G M Pranav Venkatesh
B. Divya Deshmukh
C. Vishwanath Anand
D. F M Matic Lavrencic
27. Where was 'Abhay Prabhavana', India's first digital museum made of Jaisalmer stones, opened?
- A. Mount Abu, Rajasthan
B. Pune, Maharashtra
C. Sarnath, Uttar Pradesh
D. Ajaygarh, Madhya Pradesh
28. The major folk festival 'Sanja', celebrated in Malwa region is observed during which period?
- A. From Bhado Amavasya (New Moon) to Bhado Purnima (Full Moon)
B. From Bhado Purnima to Ashwin Amavasya
C. From Bhado Purnima to Ashwin Purnima
D. From Sawan Purnima to Bhado Amavasya
29. "Penkada" is-
- A. Clan worship place of Baigas
B. Clan worship place of Gond
C. Clan worship place of Bhil
D. Clan worship place of Bharia.
30. From where does the great poet Keshavdas belong?
- A. Orchha
B. Rewa
C. Tripura
D. Ujjain
31. Kumarasambhava, written by Kalidas, is dedicated to which God?
- A. Shiv-Parvati
B. Vishnu-Lakshmi
C. Brahma-Saraswati
D. Radha-Krishna





32. 'मुख्यमंत्री किसान कल्याण योजना' के अन्तर्गत मध्यप्रदेश शासन के द्वारा किसानों को ----- वार्षिक ---- दिया जाता है। (वर्ष 2024-25)

- A. ₹ 6,000; दो किस्तों में
- B. ₹6,000; तीन किस्तों में
- C. ₹4,000; दो किस्तों में
- D. ₹10,000; दो किस्तों में



33. शिक्षित बेरोजगार जनजातीय युवाओं के लिए तकनीकी एवं व्यावसायिक दक्षता संवर्धन हेतु संस्था है-

- A. मैपकास्ट
- B. मेपसेट
- C. सेडमेप
- D. एमपीकॉन

34. वर्ष 2011 की जनसंख्या के आकार की दृष्टि से मध्यप्रदेश का सबसे छोटा जिला कौन सा है?

- A. हरदा
- B. मऊगंज
- C. उमरिया
- D. बुरहानपुर

35. राष्ट्रीय अनुसूचित जनजाती आयोग को "नागरिक न्यायालय" के रूप में कार्य करने का अधिकार दिया गया है-

- A. अनुच्छेद 338A की उपधारा 4 में
- B. अनुच्छेद 338A की उपधारा 8 में
- C. अनुच्छेद 338A की उपधारा 7 में
- D. अनुच्छेद 338A की उपधारा 3 में

36. 73 वें संविधान संशोधन अधिनियम के अधीन "मध्यवर्ती स्तर पर पंचायतें कुछ राज्यों में गठित नहीं किए जाने" के क्या कारण थे?

- (1) भारत के सीमावर्ती क्षेत्रों में स्थित होने के कारण।
- (2) उनकी जनसंख्या बीस लाख से अधिक नहीं होने के कारण।
- (3) उनकी जनसंख्या बीस लाख से अधिक होने के कारण।
- (4) उन राज्यों की 40 प्रतिशत आबादी आदिवासी न होने के कारण।

नीचे दिए कूट से सही उत्तर चुनिए-

कूट:

- A. 1 और 4
- B. केवल 2
- C. केवल 4
- D. 3 और 4

37. गवली घाट स्थित है-

- A. उज्जैन
- B. महेश्वर
- C. मंडला
- D. भेड़ाघाट

38. SDG इंडिया इंडेक्स रिपोर्ट्स किस राष्ट्रीय संस्था द्वारा प्रकाशित की जाती है?

- A. पंचायती राज मंत्रालय
- B. निर्वाचन आयोग
- C. योजना आयोग
- D. नीति आयोग



32. Under the 'Mukhyamantri Kisan Kalyan Yojana', the Madhya Pradesh Government gives ---- annual ---- to the farmers. (year 2024-25)
- A. ₹ 6,000; in two instalments
B. ₹ 6,000; in three instalments
C. ₹ 4,000; in two instalments
D. ₹ 10,000; in two instalments
33. The institution for enhancing technical and vocational skill for educated unemployed tribal youth-
- A. MAPCOST
B. MAPSAT
C. SEDMAP
D. MPCON
34. In year 2011 which is the smallest District of Madhya Pradesh in terms of population size?
- A. Harda
B. Mauganj
C. Umaria
D. Burhanpur
35. The National Commission for Scheduled Tribes has been given the power to act as a "Civil Court" under-
- A. Clause 4 of Article 338 A
B. Clause 8 of Article 338 A
C. Clause 7 of Article 338 A
D. Clause 3 of Article 338 A

36. What were the reasons for "Panchayats not being constituted at the intermediate level in some States" under the 73rd Constitutional Amendment Act?
- (1) Because they are located in the border areas of India.
(2) Because their population does not exceed 2 million.
(3) Because their population is more than 2 million.
(4) Because 40 percent of the population of those states is not tribal.

Select the correct answer from the code given below-

Code:



- A. 1 and 4
B. Only 2
C. Only 4
D. 3 and 4
37. Gawali Ghat is located at-
- A. Ujjain
B. Maheshwar
C. Mandla
D. Bhedaghat
38. Which national body publishes the SDG India Index Reports?
- A. Ministry of Panchayati Raj
B. Election Commission
C. Planning Commission
D. NITI Aayog



39. वर्ष 2011 की जनसंख्या के आकार की दृष्टि से मध्यप्रदेश का देश में कौन सा स्थान है?

- A. सातवां
- B. छठवां
- C. चौथा
- D. पांचवा



40. राज्य पिछड़ा वर्ग आयोग में नियुक्त तीन गैर सरकारी सदस्यों के तीन वर्षों के कार्यकाल की गणना कब से की जाएगी?

- A. राजपत्र में नियुक्ति की अधिसूचना के प्रकाशन की तिथि से।
- B. निष्ठा और चरित्र सत्यापन प्रमाणन पत्र जारी होने की तिथि से।
- C. नियुक्ति पत्र जारी होने की तिथि से।
- D. पदभार ग्रहण करने की तिथि से।

41. मध्यप्रदेश में सिंचाई का प्रमुख स्रोत कौन-सा है?

- A. तालाब
- B. कुएँ एवं नलकूप
- C. नहरें
- D. अन्य स्रोत

42. मध्यप्रदेश ने अपना सकल राज्य घरेलू उत्पाद (जी एस डी पी) कब तक दोगुना करने का लक्ष्य रखा है?

- A. 2025-26
- B. 2027-28
- C. 2028-29
- D. 2046-47

43. पेसा अधिनियम-1996 (PESA Act-1996) के अनुसार अनुसूचित क्षेत्रों की प्रत्येक पंचायत में अनुसूचित जनजातियों के लिए स्थानों का आरक्षण होगा-----

- A. स्थानों की कुल संख्या के दो तिहाई से कम नहीं होगा।
- B. स्थानों की कुल संख्या के आधे से कम नहीं होगा।
- C. स्थानों की कुल संख्या का एक तिहाई से ज्यादा नहीं होगा।
- D. ग्राम सभा द्वारा लिए गए निर्णय के अनुसार होगा।

44. मध्यप्रदेश के ऐसे राज्यपाल जो अन्य राज्यों के राज्यपाल और मुख्यमंत्री दोनों रहे हैं?

- (1) चेम्पूदिरा मुथाना पुनाचा
- (2) डॉ. भगवत दयाल शर्मा
- (3) श्रीमती आनंदीबेन पटेल
- (4) डा. भाई महावीर

नीचे दिए कूट से सही उत्तर चुनिए-
कूट:

- A. 1, 2 और 4
- B. 2, 3 और 4
- C. केवल 4
- D. 1, 2 और 3



39. What is the rank of Madhya Pradesh in the country in terms of population size according to the year 2011.
- A. Seventh
B. Sixth
C. Fourth
D. Fifth
40. From when will the three year term of the three non-official members appointed in the State Backward classes commission be calculated?
- A. From the date of publication of the notification of appointment in the Gazette.
B. From the date of issuance of the integrity and character verification certificate.
C. From the date of issuance of the appointment letter.
D. From the date of assuming charge.
41. Which is the major source of irrigation in Madhya Pradesh?
- A. Tanks
B. Wells and Tubewells
C. Canals
D. Other Sources
42. By which year does Madhya Pradesh aim to double in Gross State Domestic Product (GSDP)?
- A. 2025-26
B. 2027-28
C. 2028-29
D. 2046-47
43. According to PESA Act 1996, reservation of seats for scheduled tribes in every Panchayat of Scheduled areas shall be-----
- A. Not less then two thirds of the total number of seats.
B. Not less then half of the total number of seats.
C. Not exceeding one third of the total number of seats.
D. As per the decision taken by the Gram Sabha.
44. Governors of Madhya Pradesh who have been both Governor and Chief Minister of other States-
- (1) Cheppudira Muthana Poonacha
(2) Dr. Bhagwat Dayal Sharma
(3) Smt. Anandiben Patel
(4) Dr. Bhai Mahavir
- Select the answer from the code given below-
- Code:
- A. 1, 2 and 4
B. 2, 3 and 4
C. Only 4
D. 1, 2 and 3





45. मालती माधव किसके द्वारा लिखी गई थी?

- A. भर्तृहरि
- B. भवभूति
- C. कालिदास
- D. बाणभट्ट



46. ----- ने अत्याधुनिक संपीड़ित बायोगैस (सीबीजी) संयंत्र के साथ भारत की पहली आधुनिक, आत्मनिर्भर गौशाला स्थापित होने की ऐतिहासिक उपलब्धि हासिल की है।

- A. आधुनिक गौशाला, भोपाल
- B. श्री गोपाल गौशाला, रतलाम
- C. श्री गोवर्धन गौशाला, इंदौर
- D. आदर्श गौशाला, ग्वालियर

47. कोरकू जनजाति में गाए जाने वाले गीत "सजनई-फगनई" का संबंध है-

- A. विवाह से
- B. सगाई से
- C. होली से
- D. मांडवरा से

48. ट्रांजिस्टर का उपयोग सबसे पहले किस पीढ़ी के कंप्यूटर में शुरू हुआ था?

- A. पहली पीढ़ी
- B. दूसरी पीढ़ी
- C. तीसरी पीढ़ी
- D. चौथी पीढ़ी

49. "मुख्यमंत्री राशन आपके द्वार" योजना के संबंध में कौन सा कथन सत्य नहीं है?

- A. यह योजना 89 आदिवासी विकास खंडों में लागू है।
- B. यह योजना ग्राम मुख्यालय पर लागू नहीं है।
- C. इस योजना में राशन परिवहन हेतु वाहन क्रय के लिए ऋण के लाभार्थी अनुसूचित जनजाती वर्ग के होंगे।
- D. इस योजना के अन्तर्गत पांच गांवों का एक सेक्टर निर्धारित किया जाता है।

50. भारत वन स्थिति रिपोर्ट 2023 के अनुसार मध्यप्रदेश के कौन से जिले में वन क्षेत्र का (%) सबसे कम है?

- A. शाजापुर
- B. रतलाम
- C. उज्जैन
- D. अगर मालवा



45. Malati Madhav was written by-

- A. Bharthari
- B. Bhavbhuti
- C. Kalidas
- D. Banabhatta

46. ----- has achieved the historic feat of establishing India's first modern, self-sustaining Gaushala with a state-of-the-art compressed Biogas (CBG) plant.

- A. Modern Gaushala, Bhopal
- B. Shri Gopal Gaushala, Ratlam
- C. Shree Govardhan Gaushala, Indore
- D. Adarsha Gaushala, Gwalior

47. The song "Sajnai-Fagnai" sung by the Korku tribe is associated with-

- A. Marriage
- B. Engagement
- C. Holi
- D. Mandwara

48. In which generation of computers, the use of transistors was first started?

- A. First generation
- B. Second generation
- C. Third generation
- D. Fourth generation

49. Which statement is not true regarding the "Mukhyamantri Ration Aapke Dwar" Yojna?

- A. This scheme is implemented in 89 blocks.
- B. This scheme is not applicable on village headquarters.
- C. Beneficiaries for loan to purchase vehicles for ration transportation under this scheme will be from the Scheduled Tribe category.
- D. Under this scheme, a sector of five villages is determined.

50. According to the India State of Forest Report 2023, which district of Madhya Pradesh has the lowest (%) of forest area?

- A. Shajapur
- B. Ratlam
- C. Ujjain
- D. Agar Malwa


SECTION-‘B’

Animal Husbandry and Veterinary Science



51. Tetrasomic is a common type of aneuploidy and it can be represented by the chromosomal formula -----.
- $2n-2$
 - $2n+2$
 - $2n-1$
 - $2n+1$
52. The intravenously administered barbiturate anaesthetics are not preferred to perform caesarean section because they cause-
- Aplastic anaemia in neonates after birth
 - Nephrotoxicity in foetus and may produce water retention
 - Ocular toxicity in foetus and may lead to blindness
 - Depression in foetus and may produce mortality up to 100%
53. The diffusion of technologies in Madhya Pradesh State is done through the network of KVKs under the aegis of ATARI, Zone-IX, is located at-
- Bhopal
 - Jabalpur
 - Indore
 - Gwalior
54. In dairy cattle, estrous cycle control is most effectively done by-
- GnRH antagonist
 - $\text{PGF}_{2\alpha}$ and its analogs
 - Both A and B
 - None of the above
55. The fraction of an orally administered dose that reaches the systemic circulation as intact drug, taking into account both absorption and local metabolic degradation is called as-
- Half-life
 - Bioequivalence
 - Bioavailability
 - None of the above
56. ‘The Kaira District Milk Producer’ Cooperative is now popularly known as-
- Mother Dairy
 - Amul
 - Himul
 - Sanchi
57. The housing system in which animals always tied inside the house on platform and secured by neck chain or rope except for some time during cleaning of house when the animals are let loose in an open area?
- Open housing system
 - Loose housing system
 - Stanchion barn system
 - Folding units system




58. An amphoteric polyene antibiotic namely, amphotericin-B interacts-
- A. With microtubule and interferes with spindle formation in dividing fungal cells.
 - B. With membrane phospholipids and alters the permeability of fungal cells.
 - C. With membrane ergosterol and alters the permeability of fungal cells.
 - D. With DNA gyrase enzyme and arrests the DNA synthesis in fungal cells.
59. Award launched by Government of India to encourage farmers, co-operative societies & others-
- A. Kamdhenu
 - B. Rashtriya Gopalak
 - C. Gopal Ratna
 - D. Livestock Innovator
60. According to Wilson and Gallup (1955), the first step in teaching-learning process is-
- A. Desire
 - B. Interest
 - C. Conviction
 - D. Attention
61. Name the first synthetic dairy cattle breed registered by NBAGR, Karnal-
- A. Sunandini
 - B. Karan Swiss
 - C. Frieswal 
 - D. Karan Fries
62. In bone meal, ideal phosphorus and calcium ratio should be-----
- A. 2:1
 - B. 1:2
 - C. 2:3
 - D. None of the above
63. In 2022-23, the percentage of gross value added (GVA) of livestock sector to total GVA of India is-
- A. 5.50
 - B. 3.50
 - C. 7.50
 - D. 8.0



64. How do ionophores feed additives decrease methane production in the Rumen?
- A. By inhibiting Propionate producing Bacteria
 - B. By increasing the Acetate : Propionate ratio
 - C. By affecting the electrolyte production in Methanogenic Bacteria
 - D. By promoting Biohydrogenation
65. During cleaning and sanitization of dairy equipments ----- alkalis are used to saponify fat while ----- alkalis are used to dissolve protein.
- A. Weak, Strong
 - B. Strong, Weak
 - C. Weak, Weak
 - D. Strong, Strong
66. Among the Bacterial species mentioned below, the one used for the determination of available methionine in protein quality assessment-
- A. *Saccharomyces cerevisiae*
 - B. *Streptomyces cacaoi*
 - C. *Bacillus subtilis*
 - D. *Streptococcus zymogens*
67. Metabolic nonfebrile disease of the dairy cows that mostly affects after calving is-
- A. Ketosis
 - B. Johne's disease
 - C. Milk fever
 - D. None of the above
68. Puppet show is categorized as ----- type of extension teaching aid.
- A. Projected visual aid
 - B. Non-projected visual aid
 - C. Non-projected audio-visual aid
 - D. Projected audio-visual aid
69. As the environmental temperature decreases, an animal's heat production increases. However, this increase becomes limited at a certain point beyond which, no further rise in heat production is possible. What is this point called as?
- A. Upper critical temperature
 - B. Lower critical temperature
 - C. Summit metabolism
 - D. Thermoneutral zone



70. Annual Buffalo race in Karnataka State-
- A. Polo
 - B. Jallikattu
 - C. Kambala 
 - D. Manju Virattu
71. Kellner a German Scientist published 'starch equivalents system' in 1907 that was based upon-
- A. Digestible protein, Fat and carbohydrates
 - B. Net energy and digestible true protein
 - C. Dry matter and digestible crude protein
 - D. Digestible energy and metabolizable energy
72. A system of farming in which 50% or more income of the receipts are obtained from single source is called as-
- A. Diversified farming
 - B. Mixed farming
 - C. Specialised farming
 - D. Collective farming
73. Which of the following is not an objective of National Livestock Mission (NLM)?
- A. Employment Generation
 - B. Entrepreneurship Development
 - C. Promoting Livestock Insurance
 - D. The NLM was launched in 2010 by Ministry of Agriculture and Farmers Welfare
74. Excess feeding of urea in Ruminants results from grossly elevated rumen ammonia level of -----.
- A. 65 mg/100 ml rumen liquor
 - B. 70 mg/100 ml rumen liquor
 - C. 75 mg/100 ml rumen liquor
 - D. 80 mg/100 ml rumen liquor
75. A semi-synthetic derivative of oxytetracycline and is the most lipid soluble among all tetracycline class of antibiotics is-
- A. Chlortetracycline
 - B. Demeclocycline
 - C. Minocycline
 - D. Methacycline



76. In ----- method of egg preservation, eggs are exposed for a short time to the direct action of sulphuric acid.

- A. Water glass
- B. Beeswax
- C. Reinhard
- D. Lime water



77. -----is not a cause of fat separation in evaporated milk.

- A. Inadequate homogenization pressure
- B. Storage at high temperature
- C. Improper handling during storage
- D. Addition of sucrose before fore warming

78. In embryo transfer technology, denudation of cumulus cells is done with-

- A. 0.1% Hyaluronidase
- B. 10% Hyaluronidase
- C. 5% Hyaluronidase
- D. 20% Hyaluronidase

79. During processing of tissues for histology, clearing can be achieved by which reagent?

- A. Formalin
- B. Ethanol
- C. Xylene
- D. Paraffine

80. Match the column.

- | | | |
|-----------------|-----|------------------------|
| (a) Lung fluke | (1) | Trypanosoma equiperdum |
| (b) Dourine | (2) | Trypanosoma evansi |
| (c) Blood fluke | (3) | Schistosoma |
| (d) Surra | (4) | Paragonimus westermani |

- A. a-4, b-1, c-2, d-3
- B. a-4, b-1, c-3, d-2
- C. a-4, b-2, c-1, d-3
- D. a-2, b-1, c-4, d-3

81. Which of the following is a contraindication for electrotherapy in animal patients?

- A. Muscle atrophy
- B. Neurological deficits
- C. Post-Operative pain
- D. Open wounds



82. Maternal dystocia is more common in which animals?
- A. Horses and Swine
 - B. Dairy cattle and Sheep
 - C. Goats and Llamas
 - D. None of the above
83. Possible genetic factors causing genetic correlation among characters-
- A. Environmental factors affects both traits equally
 - B. The traits are controlled by completely independent genes
 - C. Both traits are influenced by the same set of genes
 - D. Selection pressure is applied only to one trait
84. If an individual is mated to a number of individuals taken at random from the population, then its breeding value exceed how much of the mean deviation of the progeny from the population mean?
- A. Two times
 - B. Remains unchanged
 - C. Three times
 - D. Four times
85. The characteristic "bitter almond smell" to exhaled air indicates likelihood of poisoning by-
- A. Nitrate
 - B. Salt poisoning
 - C. Hydrocyanic acid
 - D. Abrus Precatorius
86. The antineoplastic drugs are often used in combination with surgery and/or, radiotherapy. All the followings are mitotic inhibitor class of antineoplastic drugs except-
- A. Paclitaxel
 - B. Vincristine
 - C. Vinblastine
 - D. Methotrexate
87. Indigenous plant medicines maintain optimal health and vitality. Plant medicine having anti-ulcerogenic effect and works by enhancing mucosal barriers to gastric acid diffusion is-
- A. Leptadenia reticulata
 - B. Rauvolfia Serpentina
 - C. Glycyrrhiza glabra
 - D. Adhatoda vasica





88. In general, DNA viruses mature in the ----- of the host cell whereas RNA viruses replicate in the-----

- A. Nucleus, Cytoplasm
- B. Nucleus, Nucleoplasm
- C. Nucleus, Ribosomes
- D. Cytoplasm, Nucleus

89. In Bovine milk, whey (serum) protein represents ----- percentage of total protein.

- A. 05
- B. 15
- C. 30
- D. 20

90. The organelle acting as the site of final stages of synthesis and package of secretory products of the cell is-

- A. Ribosomes
- B. Endoplasmic reticulum
- C. Peroxisomes
- D. Golgi apparatus

91. ----- represents all the activities that are aimed at detecting changes in the epidemiological parameters of a specified disease-

- A. Surveillance
- B. Survey
- C. Census
- D. Monitoring



92. Mallein test is used for diagnosis of-

- A. Leptospirosis
- B. Listeriosis
- C. Glander
- D. Actinomycoses

93. For determination of total Ash content in a feed sample, the procedure followed in a feed analytical laboratory is -----.

- A. Kjeldahl method
- B. Drying of feed sample at 100°C in Hot air oven for 12 hrs.
- C. Combustion of feed sample at 600°C in muffle furnace for 2 hrs.
- D. Soxhlet extraction of feed sample in Soxhlet apparatus for 8-16 hrs.



94. Clonorchiasis is an example of Metazoonoses type-
- A. I
 - B. II
 - C. III
 - D. IV
95. Specimen to be collected in suspected anthrax case-
- A. Liver biopsy
 - B. Ruminal fluid
 - C. Intestinal content
 - D. Thick blood smear
96. Effective vaccine must have following critical properties-
- Property - I : Antigen must be delivered efficiently so that antigen-presenting cells can process antigen and release appropriate cytokines.
- Property - II : Both T & B cells must be stimulated so that they generate large numbers of memory cells.
- A. Only Property I is correct
 - B. Only Property II is correct
 - C. Both Properties are correct
 - D. Both Properties are incorrect
97. Under which Section of PCA, 1960 euthanasia of severely injured or diseased animal is permitted?
- A. 11
 - B. 13
 - C. 34
 - D. 35
98. For better hatchability, the carbon dioxide (CO₂) concentrate inside poultry egg incubator should not exceed more than ----- percent.
- A. 1.0
 - B. 0.7
 - C. 0.5
 - D. 0.9
99. Thiamin deficiency occurs in ruminants when ruminal synthesis decrease or when thiamin is hydrolysed by thiaminase in the rumen. This condition is known as ----- in USA.
- A. Chastek Paralysis
 - B. Cerebro cortical necrosis
 - C. Polioencephalomalacia
 - D. None of the above





100. For a given population quantitative traits often shows-
- A. A fixed number of distinct phenotypic classes
 - B. A bell shaped, normal distribution of phenotypic values
 - C. Complete dominance of one allele over another
 - D. No variation among individuals
101. In butter making, excessive washing of butter, and low diacetyl content in butter causes----- flavour defect.
- A. Stale
 - B. Flat
 - C. Bitter
 - D. Fishy
102. For Khoa making ----- milk is preferred, as it yields final product with soft and loose body with granulation in the texture.
- A. Buffalo
 - B. Cow
 - C. Mixed
 - D. Skimmed
103. The larval form of Taenia Solium is-
- A. *Taenia tenuicollis*
 - B. Hydatid
 - C. *Cysticercus cellulosae*
 - D. *Cysticercus Bovis*
104. What is the main focus of the Rashtriya Gokul Mission (RGM) being implemented by Government of India?
- A. Improving Buffalo meat exports.
 - B. To promote Crossbred Cows numbers.
 - C. To reduce dependence on artificial insemination coverage.
 - D. Conservation and promotion of indigenous Cattle & Buffalo.
105. As per drug & cosmetic act, 1940 drug made to appear of better or greater therapeutic value than really it is, the drug is considered as-
- A. Adulterated
 - B. Spurious
 - C. Misbranded
 - D. Cosmetic





106. The transducer which contains a single crystal which oscillates or rotates to produce a fan shaped beam is known as-

- A. Linear array
- B. Sector
- C. Convex
- D. Concave

107. The first Krishi Vigyan Kendra was established at-

- A. Karnal
- B. Jabalpur
- C. Puducherry (Pondicherry)
- D. Hyderabad

108. Under which act is cruelty to animals prohibited in India?

- A. Wildlife Protection Act, 1972
- B. Prevention of Cruelty to Animals Act, 1960
- C. Indian Penal Code, 1860
- D. Environment Protection Act, 1986



109. What is the primary cause of Ketosis in dairy animals?

- A. Excess protein intake
- B. Deficiency of dietary calcium
- C. High glucose demand and fat mobilization
- D. Excess consumption of roughages

110. Foot and mouth disease is caused by Aphthovirus belonging to ----- family.

- A. Retroviridae
- B. Flaviviridae
- C. Rhabdoviridae
- D. Picornaviridae

111. Opaque projector is also known as-

- A. Overhead projector
- B. Slide projector
- C. Epidiascope
- D. Movie projector

112. Treatment of "lead toxicity" involves both specific and supportive therapies. The followings are the antidotes for the treatment of "Lead toxicity" in domestic animals except-

- A. Dimercaprol
- B. D-penicillamine
- C. Calcium Disodium Edetate
- D. Ammonium tetrathiomolybdate



113. The religious deity who use crow as his vehicle-
- A. Karthikeya
 - B. Ayappa
 - C. Krishna
 - D. Saturn
114. Which term describes the first milk produced by mammals after giving birth, rich in antibodies?
- A. Whey
 - B. Casein
 - C. Colostrum
 - D. Lactose
115. The expanded form of acronym 'BLUP' commonly used in animal breeding is-
- A. Biological Linear Update Programme
 - B. Best Lineage Understanding Programme
 - C. Best Likelihood Uniform Prediction
 - D. Best Linear Unbiased Prediction
116. The figure obtained by subtracting total cost from total return is-
- A. Gross farm income
 - B. Rate of return
 - C. Marginal cost
 - D. Net farm income
117. What is not included as a characteristic feature of shock?
- A. Systemic hypotension
 - B. Polyurea
 - C. Cellular hypoxia
 - D. Dysfunction of cells, tissues
118. On the basis of chemical structure and duration of action, the long acting local anaesthetic containing amide linkage with 3-4 hours of duration of action is-
- A. Procaine
 - B. Lidocaine
 - C. Bupivacaine
 - D. Proparacaine
119. During postmortem examination of carcasses, age of bruise can be determined by ----- test.
- A. Iodine
 - B. Boric Acid
 - C. Malachite Green
 - D. Bilirubin
120. Dyes of Sudan group are usually used as staining for-
- A. Polysaccharides
 - B. Nucleic acids
 - C. Proteins
 - D. Fats



121. Name the selection method where a highly inbred line is selected as a 'tester line' and a large number of individuals of a line are tested in crosses with tester line having good General Combining Ability (GCA)

- A. Direct Selection
- B. Reciprocal Recurrent Selection
- C. Individual Selection
- D. Recurrent Selection

122. What is the defining characteristic of elective surgery?

- A. Always an emergency
- B. Must be done immediately
- C. Performed without anaesthesia
- D. Can be postponed safely

123. In which of the following the part of the oviduct, egg remains for longest time during the process of egg formation?

- A. Vagina
- B. Isthmus
- C. Magnum
- D. Uterus

124. During mitosis, which phase is associated with condensation of chromatin into twisted filamentous threads?

- A. Telophase
- B. Anaphase
- C. Metaphase
- D. Prophase

125. The refractive index of milk is determined at ----- °C.

- A. 05
- B. 10
- C. 20
- D. 04



126. Consider the following pairs-

<u>Drug</u>	<u>Class</u>
(1) Azaperone	(1) Tranquilizer
(2) Zolazepam	(2) Sedative
(3) Romifidine	(3) Opioid


Which of the pairs given above is/are correctly matched?

- A. 1 & 3
- B. 1 & 2
- C. 1, 2 & 3
- D. 3 only



127. The inbreeding coefficient (F) given by Sewall Wright in animal breeding do not signifies-
- A. The degree of relationship between the individuals parents.
 - B. Probability of two genes at any locus being identical by descent
 - C. Fixation of alleles
 - D. Mutation rate in genes
128. Integrated solution for automatic milk collection, 'AKASHGANGA' has been established by-
- A. NDDB, Anand
 - B. NDRI, Karnal
 - C. IVRI, Izatnagar
 - D. NABARD, Mumbai
129. The process by which an individual is connected into one's social and cultural world is known as-
- A. Acclimatization
 - B. Socialization
 - C. Social Inheritance
 - D. Social Mobility
130. The position of the sigmoid flexure of the penis is prescrotal in which species?
- A. Bull
 - B. Rann
 - C. Boar
 - D. Stallion
131. The act of mating in sheep is called as-
- A. Coupling
 - B. Serving
 - C. Covering
 - D. Topping
132. Consider the names of following exotic goat breeds-
- (1) Saanen
 - (2) Anglo Nubian
 - (3) Toggenburg
 - (4) Boer
- Which of the above breeds have their origin in Switzerland?
- A. 1 and 2
 - B. 1 and 3
 - C. 2 and 3
 - D. 2 and 4



133. The functional kidneys of mammals and birds (higher vertebrates) are -----
- A. Pronephric
 - B. Metanephric
 - C. Mesonephric
 - D. Opisthonephric
134. Karan Swiss breed was evolved from crossing which cattle breeds?
- A. Red Sindhi and Brown Swiss
 - B. Tharparkar and Brown Swiss
 - C. Red Sindhi and Tharparkar
 - D. Sahiwal and Brown Swiss
135. Adulteration of milk with formalin can be detected using ----- test.
- A. Rosolic acid 
 - B. Turbidity
 - C. Hehner's
 - D. Alkaline phosphatase
136. The increased synthesis of second messenger, c-AMP from ATP is associated with-
- A. Activation of IP_3
 - B. Activation of phospholipase-C by inhibitory G-protein
 - C. Activation of phospholipase C by stimulatory G-protein
 - D. Activation of adenylate cyclase enzyme by stimulatory G-protein
137. Which of the following is a physiological cause of anestrus in animals?
- A. Uterine prolapse
 - B. Bacterial infection
 - C. Lactation
 - D. None of the above
138. In cattle, the supraorbital foramen is located in -----.
- A. Maxillary bone
 - B. Frontal bone
 - C. Palatine bone
 - D. Premaxilla bone



139. Percent contribution of India's milk production to world's total milk production during 2022-23.
- A. 15
 - B. 20
 - C. 25
 - D. 27
140. The average of ----- feeding standards have been accepted for Indian Livestock.
- A. Morrisons feeding standards
 - B. Wolt's feeding standards
 - C. Grouven's feeding standards
 - D. Armsby feeding standards
141. ----- is caused by the constant inhalation of coal dust which results in its accumulation in the lungs giving the disease the name, black lungs.
- A. Anthracosis
 - B. Asbestosis
 - C. Silicosis
 - D. Bagassosis
142. Lysis of blood clot by degradation of fibrin is brought about by-
- A. Plasminogen
 - B. Plasmin
 - C. Thrombin
 - D. Prothrombin activator
143. Urban societies are characterized by-
- A. Homogenous nature
 - B. Primary relations
 - C. Unity and uniformity
 - D. Secondary relations
144. ----- was first synthesized by O. Zeidler in 1874 and its dermal absorption is very limited.
- A. Hexachlorocyclohexanes (HCH)
 - B. Dichlorodiphenyltrichloroethane (DDT)
 - C. Endosulfan
 - D. Chlordane
145. In India, the most common type of family system is-
- A. Patrilineal
 - B. Matrilineal
 - C. Matrilocal
 - D. Polyandrous



146. What is the main function of lipids in animal nutrition?

- A. Provide structural support
- B. Supply energy
- C. Act as enzymes
- D. Aid in digestion

147. The system of grazing whole pasture is fenced into convenient number of subunits and are subjected to grazing in rotation at suitable interval is known as ----- grazing.

- A. Rotational deferred
- B. Deferred
- C. Controlled continuous
- D. Rotational

148. A young chicken of either of sex below 8 to 10 weeks of age weighing around 1.5 to 2.0 kgs with tender meat is known as-

- A. Roaster
- B. Pullet
- C. Fryer
- D. All the above

149. Pregnancy diagnosis techniques in farm animals include-

- A. Rectal palpation
- B. Ultrasonography
- C. Body temperature
- D. A and B both

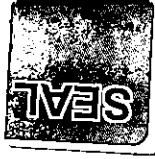


150. Match the List 'I' with List 'II'.

- | List 'I' | List 'II' |
|-------------------|-----------------------------------|
| (1) Wheat Straw | (a) Production type roughage |
| (2) Maize grain | (b) Non maintenance type roughage |
| (3) Soyabean meal | (c) Energy rich concentrate feed |
| (4) Legume fodder | (d) Protein rich concentrate feed |

Choose the correct answer from the options given below-

- A. 1-a, 2-c, 3-b, 4-d
- B. 1-b, 2-c, 3-d, 4-a
- C. 1-b, 2-a, 3-c, 4-d
- D. 1-d, 2-c, 3-b, 4-a



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