



SET

A

AVSE/2021

Animal Husbandry and
Veterinary Science

SEVEN

प्रश्न-पुस्तिका क्र.
Question Booklet No.

अनुक्रमांक
Roll No.

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

मुद्रित पृष्ठों की संख्या/No. of Printed Pages : 28

कुल प्रश्नों की संख्या/Total No. of Questions : 150

समय/Time : 3 घण्टे/Hours

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 खंडों में विभाजित है। खंड - 'अ' तथा खंड - 'ब'।
3. खंड - 'अ' के प्रश्न सामान्य अध्ययन से संबंधित हैं, जिसमें कुल 50 प्रश्न हैं। सभी प्रश्न हिन्दी तथा अंग्रेजी भाषा में हैं। सभी प्रश्न अनिवार्य हैं।
4. खंड - 'ब' संबंधित पशुपालन एवं पशुचिकित्सा विज्ञान विषय से हैं, जिसमें कुल 100 प्रश्न हैं। सभी प्रश्न केवल 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 खंड 'अ' एवं खंड 'ब' के 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।

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 language. All questions are compulsory.
4. Section - 'B' contains 100 questions of concerned Animal Husbandry and Veterinary Science subject. All questions are in English language only. All questions are compulsory.
5. All questions carry equal marks. Three marks will be given for each correct answer. There is a provision of Negative Marking. For each wrong answer, one 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 of Section - 'A' and Section - 'B', then out of the Hindi and English versions of the question, the Hindi version will be treated as standard.

AVSE 2021

(1-A)





खंड अ

सामान्य अध्ययन

1. मध्य प्रदेश के किस जिले में प्रसिद्ध पर्यटन स्थल "भेड़ाघाट" अवस्थित है ?
 - (A) मंडला
 - (B) जबलपुर
 - (C) नर्मदापुरम
 - (D) बैतूल
2. संतोष ट्रांफी फाइनल मैच – 2022 के लिए निम्नलिखित में से कौन-सा कथन सत्य है ?
 - (A) पश्चिम बंगाल ने केरल को हराया
 - (B) केरल ने पश्चिम बंगाल को हराया
 - (C) गोवा ने केरल को हराया
 - (D) गोवा ने पश्चिम बंगाल को हराया
3. वॉकी-टॉकी में किस संचार चैनल का उपयोग होता है ?
 - (A) डबल डुप्लेक्स
 - (B) फुल-डुप्लेक्स
 - (C) हाफ-डुप्लेक्स
 - (D) सिम्प्लेक्स
4. निम्नलिखित में से कौन-सा कम्प्यूटर की सेंट्रल प्रोसेसिंग यूनिट का एक घटक नहीं है ?
 - (A) रजिस्टर
 - (B) अंकगणितीय तर्क इकाई
 - (C) नियंत्रण इकाई
 - (D) द्वितीयक मेमोरी
5. मध्य प्रदेश सरकार द्वारा जन सहभागिता के माध्यम से शुरू किया गया वृक्षारोपण अभियान निम्नलिखित में से कौन-सा है ?
 - (A) अंकुर
 - (B) फ्रेंड्स ऑफ अर्थ
 - (C) हरियाली
 - (D) हरित क्रान्ति
6. मध्य प्रदेश शासन के किस विभाग ने "मंगल दिवस" योजना की शुरुआत की ?
 - (A) उच्च शिक्षा विभाग
 - (B) विज्ञान एवं प्रौद्योगिकी विभाग
 - (C) गृह विभाग
 - (D) महिला एवं बाल विकास विभाग
7. मध्य प्रदेश के डॉ. शंकर दयाल शर्मा निम्नलिखित में से किस राज्य के राज्यपाल थे ?
 - (A) असम
 - (B) तमिलनाडु
 - (C) बिहार
 - (D) महाराष्ट्र
8. मध्य प्रदेश के किस जिले में "ओरछा" अवस्थित है ?
 - (A) निवाड़ी
 - (B) रतलाम
 - (C) ग्वालियर
 - (D) दतिया



SECTION A
General Studies

1. In which district of Madhya Pradesh is the famous tourist spot "Bhedaghat" situated?
(A) Mandla
(B) Jabalpur
(C) Narmadapuram
(D) Betul
2. Which of the following statement is true for Santosh Trophy Final Match – 2022 ?
(A) West Bengal beats Kerala
(B) Kerala beats West Bengal
(C) Goa beats Kerala
(D) Goa beats West Bengal
3. Which communication channel is used in walkie-talkie ?
(A) Double duplex
(B) Full-duplex
(C) Half-duplex
(D) Simplex
4. Which of the following is *not* a component of the Central Processing Unit of Computer ?
(A) Register
(B) Arithmetic Logic Unit
(C) Control Unit
(D) Secondary Memory
5. Which of the following programme is associated with plantation drive through public participation launched by the Government of Madhya Pradesh ?
(A) Ankur
(B) Friends of Earth
(C) Hariyali
(D) Harit Kranti
6. Which department of Madhya Pradesh Government started the scheme "Mangal Diwas" ?
(A) Department of Higher Education
(B) Department of Science and Technology
(C) Department of Home
(D) Department of Women and Child Development
7. Dr. Shankar Dayal Sharma of Madhya Pradesh was the Governor of which of the following State ?
(A) Assam
(B) Tamil Nadu
(C) Bihar
(D) Maharashtra
8. In which district of Madhya Pradesh is "Orchha" located ?
(A) Niwari
(B) Ratlam
(C) Gwalior
(D) Datia



9. किस वर्ष राज्य ग्रामीण विकास संस्थान की स्थापना जबलपुर में की गई थी जो अब महात्मा गाँधी राज्य ग्रामीण विकास एवं पंचायत राज संस्थान के नाम से जाना जाता है ?
- (A) 1977
(B) 1974
(C) 1960
(D) 1964
10. निम्नलिखित में से कौन-सा कथन सत्य है ?
- (A) भगोरिया उत्सव मध्य प्रदेश के भील जनजाति द्वारा मनाया जाता है ।
(B) भगोरिया उत्सव मध्य प्रदेश के गोंड जनजाति द्वारा मनाया जाता है ।
(C) भगोरिया उत्सव मध्य प्रदेश के कोरकू जनजाति द्वारा मनाया जाता है ।
(D) उपर्युक्त में से कोई नहीं
11. भारत की जनगणना, 2011 के अनुसार मध्य प्रदेश के लिए निम्नलिखित में से कौन-सा विकल्प सत्य है ?
- | जन्म दर | मृत्यु दर |
|----------|-----------|
| (A) 20-1 | 6-1 |
| (B) 14-6 | 5-5 |
| (C) 19-5 | 5-7 |
| (D) 17-6 | 5-7 |
12. मध्य प्रदेश के किस सिंचाई परियोजना को शहीद चंद्रशेखर आज़ाद सागर परियोजना के नाम से जाना जाता है ?
- (A) बाघ
(B) देजला देवरा
(C) जोबट
(D) उपर्युक्त में से कोई नहीं
13. बाणसागर परियोजना में कौन-कौन से राज्य सम्मिलित हैं ?
- (A) उत्तर प्रदेश, मध्य प्रदेश, राजस्थान
(B) मध्य प्रदेश, उत्तर प्रदेश, बिहार
(C) मध्य प्रदेश, महाराष्ट्र, राजस्थान
(D) मध्य प्रदेश, बिहार, ओडिशा
14. हरसी परियोजना किस नदी पर अवस्थित है ?
- (A) पार्वती
(B) बेतवा
(C) सोन
(D) केन
15. जून, 2022 की स्थिति में मध्य प्रदेश के विमानन विभाग के मंत्री कौन हैं ?
- (A) श्री शिवराज सिंह चौहान
(B) डॉ. नरोत्तम मिश्रा
(C) श्री गोविन्द सिंह राजपूत
(D) श्री गोपाल भार्गव
16. मध्य प्रदेश शासन के लिए निम्नलिखित में से कौन-सा कथन सत्य है ?
- (A) 'क्रीडांगन' खेल एवं युवा कल्याण विभाग की एक योजना है ।
(B) 'क्रीडांगन' पंचायत एवं ग्रामीण विकास विभाग की एक योजना है ।
(C) 'क्रीडांगन' महिला एवं बाल विकास विभाग की एक योजना है ।
(D) उपर्युक्त में से कोई नहीं



9. In which year was the State Institute for Rural Development at Jabalpur established which is now known as Mahatma Gandhi State Institute of Rural Development and Panchayat Raj ?
- (A) 1977
(B) 1974
(C) 1960
(D) 1964
10. Which of the following statement is true ?
- (A) Bhagoria festival is celebrated by Bhil tribe of Madhya Pradesh.
(B) Bhagoria festival is celebrated by Gond tribe of Madhya Pradesh.
(C) Bhagoria festival is celebrated by Korku tribe of Madhya Pradesh.
(D) None of the above
11. Which of the following option is true as per the Census of India, 2011 for Madhya Pradesh ?
- | | <i>Birth Rate</i> | <i>Death Rate</i> |
|-----|-------------------|-------------------|
| (A) | 20.1 | 6.1 |
| (B) | 14.6 | 5.5 |
| (C) | 19.5 | 5.7 |
| (D) | 17.6 | 5.7 |
12. Which irrigation project of Madhya Pradesh is known as Shahid Chandra Shekhar Azad Sagar Project ?
- (A) Bagh
(B) Dejala Deora
(C) Jobat
(D) None of the above
13. Which States have collaboration in Bansagar Project ?
- (A) Uttar Pradesh, Madhya Pradesh, Rajasthan
(B) Madhya Pradesh, Uttar Pradesh, Bihar
(C) Madhya Pradesh, Maharashtra, Rajasthan
(D) Madhya Pradesh, Bihar, Odisha
14. On which river is Harsi Project situated ?
- (A) Parvati
(B) Betwa
(C) Son
(D) Ken
15. Who is the Minister of Aviation Department in Madhya Pradesh as on June, 2022 ?
- (A) Shri Shivraj Singh Chouhan
(B) Dr. Narottam Mishra
(C) Shri Govind Singh Rajput
(D) Shri Gopal Bhargava
16. Which of the following statement is true for the Government of Madhya Pradesh ?
- (A) 'Kridangan' is a scheme of Sports and Youth Welfare Department.
(B) 'Kridangan' is a scheme of Panchayat and Rural Development Department.
(C) 'Kridangan' is a scheme of Women and Child Development Department.
(D) None of the above



17. "रंगत दोहा" निम्नलिखित में से किस रंगमंच शैली से सम्बन्धित है ?
(A) भवई
(B) माच
(C) जात्रा
(D) नौटंकी
18. "मामुलिया त्योहार" मुख्यतः किसके द्वारा मनाया जाता है ?
(A) भील जनजाति
(B) कुँवारी कन्याओं
(C) विवाहित महिलाओं
(D) गौंड जनजाति
19. "दि सर्च फॉर लंका" पुस्तक किसकी कृति है ?
(A) पं. माखनलाल चतुर्वेदी
(B) बालकृष्ण शर्मा 'नवीन'
(C) नन्द दुलारे वाजपेयी
(D) पं. द्वारका प्रसाद मिश्रा
20. निम्नलिखित में से किस रियासत में 1931 ई. में "चरण पादुका हत्याकांड" हुआ था ?
(A) छतरपुर
(B) मंडला
(C) रीवा
(D) जैतपुर
21. "परिमल रासो" की रचना की थी :
(A) जगनिक
(B) ईश्वरी
(C) पद्माकर
(D) भूषण
22. किस वंश ने ओरछा को बुन्देलखण्ड की राजधानी बनाया था ?
(A) बुन्देल
(B) चन्देल
(C) मुगल
(D) सिन्धिया
23. काँग्रेस के त्रिपुरी अधिवेशन में सुभाष चन्द्र बोस के विरुद्ध अध्यक्ष पद का उम्मीदवार कौन था ?
(A) जे.एल. नेहरू
(B) पट्टाभि सीतारमैय्या
(C) डॉ. राधाकृष्णन
(D) वल्लभभाई पटेल
24. निम्नलिखित में से कौन-सा पर्यटन स्थल बौद्ध धर्म से संबंधित नहीं है ?
(A) बाघ
(B) भरहुत
(C) काकनमठ
(D) साँची
25. ठाकुर रणमत सिंह ने स्वतन्त्रता के लिए कहाँ संघर्ष किया ?
(A) सागर
(B) रीवा
(C) पन्ना
(D) सतना
26. "दि बैगा" पुस्तक के लेखक कौन हैं ?
(A) वैरियर एल्विन
(B) हरीश चन्द्र उप्रेती
(C) नदीम हस्सन
(D) मजूमदार एवं मदान



17. "Rangat Doha" is associated with which of the following theatre form ?
- (A) Bhavai
(B) Maach
(C) Jatra
(D) Nautanki
18. The "Mamulia festival" is mainly celebrated by
- (A) Bhil Tribe
(B) Unmarried Girls
(C) Married Women
(D) Gond Tribe
19. Who authored the book "The Search for Lanka" ?
- (A) Pt. Makhanlal Chaturvedi
(B) Balkrishna Sharma 'Naveen'
(C) Nand Dulare Vajpayee
(D) Pt. Dwarka Prasad Mishra
20. In which of the following princely state did the "Charan Paduka Massacre" of 1931 A.D. take place ?
- (A) Chhatarpur
(B) Mandla
(C) Rewa
(D) Jaitpur
21. "Parimal Raso" was written by :
- (A) Jagnik
(B) Ishwari
(C) Padmakar
(D) Bhushan
22. Orchha was made the Capital of Bundelkhand by which dynasty ?
- (A) Bundela
(B) Chandela
(C) Mughal
(D) Scindia
23. At the Tripuri Session of the Congress, who was the candidate for Presidentship against Subhas Chandra Bose ?
- (A) J.L. Nehru
(B) Pattabhi Sitaramayya
(C) Dr. Radhakrishnan
(D) Vallabhbhai Patel
24. Which of the following tourist place is *not* related with Buddhism ?
- (A) Bagh
(B) Bharhut
(C) Kakanmath
(D) Sanchi
25. Where did Thakur Ranmat Singh struggle for freedom from ?
- (A) Sagar
(B) Rewa
(C) Panna
(D) Satna
26. Who is the author of the book "The Baiga" ?
- (A) Verrier Elwin
(B) Harish Chandra Upreti
(C) Nadeem Hassan
(D) Majumdar and Madan



27. निम्नलिखित में से कौन-सा वैध आई.पी. एड्रेस नहीं है ?
- (A) 164.100.60.233
(B) 198.35.26.96
(C) 166.233.96.257
(D) 192.168.0.178
28. सोशल नेटवर्किंग का उद्देश्य क्या है ?
- (A) केवल सामग्री बनाना
(B) केवल सामग्री साझा करना
(C) सामग्री बनाना और साझा करना
(D) उपर्युक्त में से कोई नहीं
29. केन्द्र और राज्य सरकार को नेटवर्क बैकबोन और ई-गवर्नेंस सहायता कौन प्रदान करता है ?
- (A) डिजिटल इंफ्रास्ट्रक्चर सर्विसेज़ सेंटर (DISC)
(B) राष्ट्रीय सूचना केन्द्र (NIC)
(C) सॉफ्टवेयर और सेवा कंपनियों का राष्ट्रीय संघ (NASSCOM)
(D) इरनेट (ERNET)
30. इस प्रकार के ई-कॉमर्स को क्या कहते हैं, जब इलेक्ट्रॉनिक लेनदेन में शामिल पक्ष किसी दिए गए व्यावसायिक फर्म के भीतर से होते हैं ?
- (A) इंटर-बी कॉमर्स
(B) इंटर-बी कॉमर्स
(C) सेल्फ-बी कॉमर्स
(D) नेक्स्ट-बी कॉमर्स
31. आई.टी. अधिनियम, 2000 की किस धारा के तहत प्रमाणकर्ता प्राधिकारी (CA) को डिजिटल हस्ताक्षर प्रमाण-पत्र जारी करने का लाइसेंस दिया गया है ?
- (A) धारा 65
(B) धारा 24
(C) धारा 43
(D) धारा 42
32. निम्नलिखित में से कौन-सा कम्प्यूटर वाइरस नहीं है ?
- (A) निम्डा
(B) स्लैमर
(C) स्टक्सनेट
(D) क्रिप्टोलॉकर
33. मध्य प्रदेश के ई-गवर्नेंस की "ई-दक्ष" परियोजना का उद्देश्य है
- (A) राजकोष एवं खाते को एकीकृत करने हेतु
(B) नवीनतम जानकारी से किसानों को सशक्त बनाना
(C) ई-गवर्नेंस और आई.टी. परियोजनाओं के कार्यान्वयन में मध्य प्रदेश सरकार के अधिकारियों को संवेदनशील बनाना
(D) खरीद प्रक्रिया को मानकीकृत करने के लिए
34. निम्नलिखित में से कौन-सी परत राष्ट्रीय ई-गवर्नेंस योजना (NeGP) के ई-गवर्नेंस आर्किटेक्चर का हिस्सा नहीं है ?
- (A) सुरक्षा परत
(B) संगठन परत
(C) उपयोगकर्ता परत
(D) तकनीकी परत



27. Which of the following is *not* a valid IP address ?
- (A) 164.100.60.233
 - (B) 198.35.26.96
 - (C) 166.233.96.257
 - (D) 192.168.0.178
28. What is the objective of social networking ?
- (A) Only creating content
 - (B) Only sharing content
 - (C) Creating and sharing content
 - (D) None of the above
29. Who provides network backbone and e-governance support to Central and State Governments ?
- (A) Digital Infrastructure Services Centre (DISC)
 - (B) National Informatics Centre (NIC)
 - (C) National Association of Software and Services Companies (NASSCOM)
 - (D) ERNET
30. If the parties involved in the electronic transactions are from within a given business firm, then this type of e-commerce is known as
- (A) Intra-B Commerce
 - (B) Inter-B Commerce
 - (C) Self-B Commerce
 - (D) Next-B Commerce
31. Under which Section of IT Act, 2000 has Certifying Authority (CA) been granted a licence to issue a digital signature certificate ?
- (A) Section 65
 - (B) Section 24
 - (C) Section 43
 - (D) Section 42
32. Which of the following is *not* a computer virus ?
- (A) Nimda
 - (B) Slammer
 - (C) Stuxnet
 - (D) CryptoLocker
33. The objective of "e-Daksh", e-governance project of Madhya Pradesh is
- (A) To integrate treasury and accounts
 - (B) To empower farmers with latest information
 - (C) To sensitize Madhya Pradesh Government officials in the implementation of e-Governance and IT Projects
 - (D) To standardize the procurement process
34. Which of the following layer is *not* a part of e-governance architecture of the National e-Governance Plan (NeGP) ?
- (A) Security layer
 - (B) Organization layer
 - (C) User layer
 - (D) Technology layer



35. किस स्थान पर “औद्योगिक डिकारबोनाइज़ेशन शिखर सम्मेलन - 2022” आयोजित हुआ था ?
- (A) मुम्बई
(B) नागपुर
(C) नई दिल्ली
(D) पुणे
36. भारत में लोक सभा चुनाव - 2019 कितने चरणों में सम्पन्न हुआ ?
- (A) 6 चरणों में
(B) 7 चरणों में
(C) 8 चरणों में
(D) 9 चरणों में
37. ऑल इंग्लैंड बैडमिंटन चैम्पियनशिप - 2022 के फाइनल मैच में लक्ष्य सेन को किसने हराया ?
- (A) विक्टर एक्सेलसेन
(B) ली ज़ी जिया
(C) ताइ ज़ू-इंग
(D) पेद्रा फेल्ले
38. खेल जगत से सम्बन्धित “NADA” का पूरा नाम (Full form) क्या है ?
- (A) नेशनल एंटी डोपिंग एजेन्सी
(B) नॉर्थ अमेरिका डोपिंग एसोसिएशन
(C) नेशनल एथलेटिक्स एण्ड डेकाथेलेन एसोसिएशन
(D) नेशनल ऑल डिविजन ऑफ एथलेटिक्स
39. मध्य प्रदेश के किस शहर में मध्य प्रदेश जल व भूमि व्यवस्थापन संस्था अवस्थित है ?
- (A) भोपाल
(B) इंदौर
(C) जबलपुर
(D) धार
40. मध्य प्रदेश के बजट 2022 - 23 में शासन ने दो औद्योगिक पार्क स्वीकृत किए थे । निम्नलिखित विकल्पों में से कौन-सा विकल्प इन दो पार्कों के स्थान के लिए सही है ?
- (A) इटारसी एवं बैतूल
(B) कटनी एवं सिहोरा
(C) मिसरोद एवं मंडीदीप
(D) बगरोद एवं बैरसिया
41. मध्य प्रदेश में मार्बल कटिंग एवं पोलिशिंग उद्योग मुख्यतः किस जिले में स्थित है ?
- (A) छतरपुर
(B) रीवा
(C) कटनी
(D) भोपाल
42. मंत्री परिषद् राज्य में किसके प्रति सामूहिक रूप से उत्तरदायी होती है ?
- (A) राज्यपाल के प्रति
(B) मुख्य मंत्री के प्रति
(C) विधान सभा अध्यक्ष के प्रति
(D) राज्य की विधान सभा के प्रति



35. Which was the venue of "Industrial Decarbonization Summit – 2022" ?
- (A) Mumbai
(B) Nagpur
(C) New Delhi
(D) Pune
36. In how many phases was the Lok Sabha Election – 2019 conducted in India ?
- (A) 6 phases
(B) 7 phases
(C) 8 phases
(D) 9 phases
37. Who defeated Lakshya Sen in All England Badminton Championship in 2022 in the final match ?
- (A) Viktor Axelsen
(B) Lee Zii Jia
(C) Tai Tzu-ying
(D) Petra Felke
38. What is the full form of "NADA", related to the sports world ?
- (A) National Anti Doping Agency
(B) North America Doping Association
(C) National Athletics and Decathlon Association
(D) National All Division of Athletics
39. In which city of Madhya Pradesh, is Madhya Pradesh Water and Land Management Institute located ?
- (A) Bhopal
(B) Indore
(C) Jabalpur
(D) Dhar
40. In the 2022 – 23 Budget of Madhya Pradesh, the Government approved two Industrial Parks. Among the following options, which one is right for these two park locations ?
- (A) Itarsi and Betul
(B) Katni and Sihora
(C) Misrod and Mandideep
(D) Bagrod and Berasia
41. Marble cutting and polishing industry is mainly located in which district of Madhya Pradesh ?
- (A) Chhatarpur
(B) Rewa
(C) Katni
(D) Bhopal
42. The Council of Ministers of a State is collectively responsible to the
- (A) Governor
(B) Chief Minister
(C) Speaker of the Legislative Assembly
(D) Legislative Assembly of the State



43. मध्य प्रदेश में 'ऊर्जा विकास निगम लिमिटेड' की स्थापना किस वर्ष में हुई थी ?
- (A) 1982
(B) 1992
(C) 2001
(D) 2005
44. निम्नलिखित में से 'मध्य प्रदेश पावर जनरेटिंग कम्पनी लिमिटेड' की कौन-सी परियोजना है ?
- (A) अमरकंटक तापीय विद्युत केन्द्र
(B) विन्ध्याचल सुपर थर्मल पावर स्टेशन
(C) कोरबा सुपर थर्मल पावर स्टेशन
(D) जे.पी. ताप विद्युत केन्द्र
45. श्री सिंगाजी तापीय विद्युत गृह किस जिले में अवस्थित है ?
- (A) जबलपुर
(B) खण्डवा
(C) उमरिया
(D) बैतूल
46. अमरकंटक तापीय विद्युत केन्द्र को कोयला कहाँ से प्राप्त होता है ?
- (A) सोहागपुर
(B) उमरिया
(C) सिंगरोली
(D) तवा घाटी
47. मध्य प्रदेश में वनों के अंतर्गत सबसे कम प्रतिशत क्षेत्र किस जिले में है ?
- (A) भिण्ड
(B) रतलाम
(C) दतिया
(D) उज्जैन
48. नर्मदा नदी को 'नामादोस' नाम किसने दिया था ?
- (A) आर्यभट्ट
(B) टॉलमी
(C) अल-बरूनी
(D) हेन-सांग
49. नर्मदा घाटी में कम वर्षा का मुख्य कारण है :
- (A) नर्मदा घाटी तक पहुँचते-पहुँचते मानसून हवाएँ शुष्क हो जाती हैं
(B) सतपुड़ा पर्वत की वृष्टि छाया में होने के कारण
(C) विन्ध्याचल पर्वत की वृष्टि छाया में होने के कारण
(D) घाटी की गहराई के कारण
50. बैहर पठार किस खनिज के लिए प्रसिद्ध है ?
- (A) ताँबा
(B) बॉक्साइट
(C) चूनापत्थर
(D) लोह अयस्क



43. In which year was 'Urja Vikas Nigam Limited' established in Madhya Pradesh ?
- (A) 1982
(B) 1992
(C) 2001
(D) 2005
44. Which of the following is the project of 'Madhya Pradesh Power Generating Company Limited' ?
- (A) Amarkantak Thermal Power Station
(B) Vindhyachal Super Thermal Power Station
(C) Korba Super Thermal Power Station
(D) J.P. Thermal Power Plant
45. In which district is Shree Singaji Thermal Power Plant situated ?
- (A) Jabalpur
(B) Khandwa
(C) Umaria
(D) Betul
46. From which coalfield does the Amarkantak Thermal Power Plant get coal ?
- (A) Sohagpur
(B) Umaria
(C) Singrauli
(D) Tawa Valley
47. The lowest percentage under forest area is found in which district of Madhya Pradesh ?
- (A) Bhind
(B) Ratlam
(C) Datia
(D) Ujjain
48. Who gave the name 'Namados' to river Narmada ?
- (A) Aryabhatta
(B) Ptolemy
(C) Al-Biruni
(D) Hiuen-Tsang
49. The major reason for less rainfall in Narmada Valley is :
- (A) The monsoon winds dry up as they reach Narmada Valley
(B) Due to the situation in the rain shadow area of Satpura Mountains
(C) Due to the situation in the rain shadow area of Vindhyachal Mountains
(D) Due to the depth of the valley
50. Baihar Plateau is famous for which mineral ?
- (A) Copper
(B) Bauxite
(C) Limestone
(D) Iron ore



SECTION B

Animal Husbandry and Veterinary Science

51. Urea poisoning/toxicity in animals is common as they are widely used as nitrogen fertilizers on crops and pasture fields. For treatment of cattle in urea poisoning, acetic acid/vinegar is used in which of the following doses ?
- (A) 5% vinegar; 2 – 8 litres
 - (B) 5% vinegar; 1 – 2 litres
 - (C) 2% vinegar; 2 – 8 litres
 - (D) 2% vinegar; 1 – 2 litres
52. According to PFA Rules (1976), in Madhya Pradesh, buffalo milk should not contain less than _____ percent SNF and not less than _____ percent of milk fat.
- (A) 8.5 , 6.0
 - (B) 9.0 , 5.0
 - (C) 9.0 , 6.0
 - (D) 8.5 , 4.5
53. Elimination half-life ($t_{1/2}$) value of majority of drugs is independent of the dose administered because their overall elimination follows first order kinetics. In such cases complete elimination (> 95%) of drug occurs in how many half-lives ?
- (A) Two
 - (B) Three
 - (C) Four
 - (D) Five
54. Treatment of lead toxicity involves both specific and supportive therapies. The specific therapy for lead toxicity includes which one of the following ?
- (A) EDTA acid
 - (B) Calcium disodium edetate
 - (C) Sodium EDTA
 - (D) None of the above
55. The specific gravity of skim milk varies from
- (A) 1.028 to 1.030
 - (B) 1.030 to 1.032
 - (C) 1.034 to 1.036
 - (D) 1.039 to 1.041
56. The pasteurized milk at the plant, in its final container should **not** have more than _____ SPC/mL (org).
- (A) 3,000
 - (B) 30,000
 - (C) 3,00,000
 - (D) 50,000
57. Development of malty flavour in milk is caused due to the growth of
- (A) Streptococcus lactis var. maltigenes
 - (B) Streptococcus thermophilus
 - (C) Lactobacillus acidophilus
 - (D) Lactobacillus lactis var. maltigenes
58. Kumis and kefir are fermented milk products and both contain
- (A) Lactic acid
 - (B) Alcohol
 - (C) Lactic acid and alcohol
 - (D) None of the above
59. What are the main constituents of milk contributing to maintaining the osmotic pressure of milk ?
- (A) Sodium and Chloride
 - (B) Lactose and Chloride
 - (C) Sodium and Lactose
 - (D) Casein and Citrate



60. The term 'Recurrent Selection' was proposed by which of the following scientist ?
- (A) Hull (1945)
 - (B) Shull (1946)
 - (C) Robert Bakewell (1889)
 - (D) Sundaesan (1932)
61. The distance between two base pairs on DNA strand is
- (A) 3.6 Å
 - (B) 3.4 Å
 - (C) 4.3 Å
 - (D) 3.2 Å
62. Which of the following acts as start codon during translation process ?
- (A) UAG
 - (B) UGA
 - (C) AUG
 - (D) GUA
63. Ponwar is a draft breed of cattle having its origin from which of the following State ?
- (A) Gujarat
 - (B) Maharashtra
 - (C) Rajasthan
 - (D) Uttar Pradesh
64. Which of the following term is used for replacement of a purine base by a pyrimidine base and vice versa ?
- (A) Reversion
 - (B) Transversion
 - (C) Transition
 - (D) Alteration
65. Which of the following term is used to explain Bar eye in *Drosophila* ?
- (A) Linkage
 - (B) Position effect
 - (C) Multiple allele
 - (D) Crossing over
66. Ketamine hydrochloride is a widely used parenteral anaesthetic, alternative to phencyclidine (PCP). Following administration of ketamine by intramuscular route, it does **not** produce one of the following stages of anaesthesia.
- (A) Stage-I
 - (B) Stage-II
 - (C) Stage-III
 - (D) Stage-IV
67. The covariance among full-sibs is
- (A) $\frac{1}{4}V_A$
 - (B) $\frac{1}{2}V_A$
 - (C) $\frac{1}{2}V_A + \frac{1}{4}V_D + V_{ES}$
 - (D) $\frac{1}{2}V_A + V_{ES}$



68. Mechanism of action of Organophosphorus Insecticides (OPIs) which produce high toxicity in animals is
- (A) Antagonising action of GABA receptors
 - (B) Altering Na^+ and K^+ flux across nerve cell membrane
 - (C) Inhibition of calmodulin Ca^{+2} binding
 - (D) Inhibition of acetylcholinesterase enzyme
69. Muscarinic receptors for acetylcholine are primarily found in
- (A) Smooth muscles
 - (B) Heart
 - (C) Exocrine glands
 - (D) All of the above
70. Which of the following is **not** true as per the classification of Zoonotic diseases by the WHO Expert Committee on zoonoses ?
- (A) Cyclozoonoses – Measly beef
 - (B) Saprozoonoses – Histoplasmosis
 - (C) Metazoonoses – Brucellosis
 - (D) Direct Zoonoses – Listeriosis
71. Which of the following provides active artificial immunity to an individual ?
- (A) Colostrum
 - (B) Tetanus toxoid
 - (C) Anti-tetanus serum
 - (D) Anti-snake venom toxin
72. Which material is suitable for laboratory examination to diagnose Braxy disease ?
- (A) Nasal swab
 - (B) Intestinal content
 - (C) Serum sample
 - (D) Lymph node tissue sample
73. Which of the following is correct ?
- (A) Case fatality rate =
$$\frac{\text{Number of deaths from a disease}}{\text{Total number of population}}$$
 - (B) Prevalence =
$$\frac{\text{Number of existing cases of a disease at a particular time}}{\text{Population at risk at the same point of time}}$$
 - (C) Attack rate =
$$\frac{\text{Number of affected cases during an outbreak}}{\text{Population at risk at the end of outbreak}}$$
 - (D) Incidence =
$$\frac{\text{Total number of cases of a disease during a period}}{\text{Average population at risk during the same period}}$$



74. It is a continually changing pattern of learned behaviour and the products of learned behaviour, which are shared by and transmitted among the members of society. It defines which of the following terms ?
- (A) Social change
 - (B) Leadership
 - (C) Social mobility
 - (D) Culture
75. Which of the following is *not* a characteristic of the primary social group ?
- (A) Permanency
 - (B) Informality
 - (C) Impersonal relationship
 - (D) Non-rational group decision
76. Which one of the following was the first to organise extension services in India ?
- (A) T&V System
 - (B) Lab to Land Programme
 - (C) Community Development Programme
 - (D) National Extension Service
77. The organisational structure in the three-tier AMUL model of dairy development working at State level is known as
- (A) Milk Producers Cooperative Society
 - (B) Milk Producers Corporation
 - (C) Milk Producers Union
 - (D) Milk Producers Federation
78. The principal function of Gonadotropin-releasing Hormone (GnRH) is to
- (A) Stimulate preovulatory surge of FSH and LH
 - (B) Induce uterine contraction
 - (C) Stimulate prolactin release
 - (D) Inhibit gonadotropic activity in long day breeders
79. Most widely used exogenous hormones for superovulation in cows are
- (A) eCG or FSH
 - (B) LH or hCG
 - (C) GnRH or Progesterone
 - (D) Prostaglandins
80. The optimum time for sex determination of fetus using ultrasonography in cow is
- (A) 60 to 90 days
 - (B) 40 to 50 days
 - (C) 80 to 100 days
 - (D) 20 to 30 days
81. The researchers associated with birth of first calf from Embryo Transfer in 1951 are
- (A) Drost et al.
 - (B) Willet et al.
 - (C) Wilmut et al
 - (D) Oguri and Tsutsumi
82. When was the first livestock census carried out in India ?
- (A) 1909
 - (B) 1990
 - (C) 1910
 - (D) 1919



83. A dual purpose sheep (Avikalin) has been developed by interbreeding of the following breeds of sheep :
- (A) Sonadi and Gaddi
 - (B) Gaddi and Malpura
 - (C) Rambouillet and Gaddi
 - (D) Rambouillet and Malpura
84. Where is the headquarter of National Institute of Animal Welfare of India (NIAW) situated ?
- (A) Ballabgarh, Haryana
 - (B) Izzatnagar, Uttar Pradesh
 - (C) Bengaluru, Karnataka
 - (D) Hisar, Haryana
85. Bestiality (carnal intercourse against the order of nature with any man, woman or animal) is punishable under which Section of Indian Penal Code (IPC) ?
- (A) 377
 - (B) 275
 - (C) 387
 - (D) 277
86. Which of the following milk product has the highest fat percentage ?
- (A) Rasgulla
 - (B) Kulfi
 - (C) Khoa
 - (D) Basundi
87. Which of the following is **not** a correct statement for vetero-legal necropsy ?
- (A) It should be conducted in daylight.
 - (B) It should be conducted after getting official order from the police officer.
 - (C) It should not be performed if the carcass is decomposed.
 - (D) The veterinary officer should first read the inquest report.
88. 'Sale of Adulterated Drugs' is punishable under which Section of Indian Penal Code (IPC) ?
- (A) 275
 - (B) 276
 - (C) 284
 - (D) 289
89. Rigidity of the body caused by muscles contracting after death from chemical changes within muscle tissue is known as
- (A) Flaccidity
 - (B) Rigor mortis
 - (C) Putrefaction
 - (D) Mummification
90. Which of the following is a cyanogenetic plant ?
- (A) Maize (*Zea Mays*)
 - (B) Wheat (*Triticum Aestivum*)
 - (C) Sorghum (*Sorghum Sudanense*)
 - (D) Oats (*Avena Sativa*)



91. Which of the following award has been launched in the field of Livestock and Dairy sector by the Department of Animal Husbandry, Government of India in the year 2021 ?
- (A) Gopal Ratna Award
 - (B) Govinda Ratna Award
 - (C) Krishna Ratna Award
 - (D) Gau Ratna Award
92. Which of the undermentioned organ is involved in the function of storage and concentration of bile during the period between feeding ?
- (A) Pancreas
 - (B) Liver
 - (C) Stomach
 - (D) Gall bladder
93. In hematoxylin and eosin staining, the hematoxylin is intended to stain the acidic portion of the cell by which of the following colour ?
- (A) Dark blue
 - (B) Red
 - (C) Pink
 - (D) Orange
94. 'Key Village Scheme (KVS)', an initiative of the Government of India, is related to the development of
- (A) Goat
 - (B) Sheep
 - (C) Poultry
 - (D) Cattle and Buffaloes
95. The right atrioventricular valve is also called as
- (A) Bicuspid valve
 - (B) Tricuspid valve
 - (C) Mitral valve
 - (D) Semilunar valve
96. Transitional epithelium is observed in the epithelial lining of which of the following organ component ?
- (A) Intestine
 - (B) Ureter
 - (C) Epididymis
 - (D) Uterine tubes
97. The coagulation factors of blood are formed in which of the following organ ?
- (A) Spleen
 - (B) Pancreas
 - (C) Liver
 - (D) Bone marrow
98. Which of the following granulocytes of WBCs provides the first line of defence against infection and constitutes larger percentage of total leucocyte numbers ?
- (A) Neutrophils
 - (B) Eosinophils
 - (C) Basophils
 - (D) Lymphocytes



99. In cows, prolapse of cervix and vagina occurs in
- (A) First 2 months of gestation
 - (B) 3 to 4 months of gestation
 - (C) 5 to 6 months of gestation
 - (D) Last 2 months of gestation
100. Which of the following anaesthetic has the highest MAC value ?
- (A) Halothane
 - (B) Isoflurane
 - (C) Diethyl ether
 - (D) Nitrous oxide
101. For diagnostic use, ultrasounds are produced at frequencies between
- (A) 25 to 30 megahertz
 - (B) 1 to 20 megahertz
 - (C) 35 to 40 megahertz
 - (D) 45 to 50 megahertz
102. Dacryocystorhinography is the contrast radiography of
- (A) Salivary glands
 - (B) Urinary bladder
 - (C) Nasolacrimal duct
 - (D) Peritoneal cavity
103. Which of the following is *not* an estrus detection method in cattle ?
- (A) Chin-ball mating device
 - (B) Heat mount detector
 - (C) Tail paint
 - (D) Pelvimetry
104. "Swamp fever" in equines is caused by
- (A) Orbivirus
 - (B) Pestivirus
 - (C) Lentivirus
 - (D) Herpes virus
105. Which pathotype of Paramyxovirus-1 is used for production of LaSota vaccine for prevention of Newcastle disease ?
- (A) Lentogenic
 - (B) Mesogenic
 - (C) Velogenic
 - (D) Asymptomatic Enteric
106. Generally used killed trivalent FMD vaccines in India contain strains of
- (A) Asia-1, A & C
 - (B) Asia-1, O & C
 - (C) Asia-1, A & O
 - (D) A, C & O
107. Which of the following is *not* true about rabies virus ?
- (A) Street virus is used for vaccine production
 - (B) Fixed virus is not found in the saliva
 - (C) Street virus produces Negri bodies
 - (D) Fixed virus is self-limiting
108. Fracture of the distal end of radius is known as
- (A) Distracted fracture
 - (B) Greenstick fracture
 - (C) Colles fracture
 - (D) Supracondylar fracture



109. An example of pneumatic bones in mammals is
- (A) Tibia and fibula
 - (B) Patella
 - (C) Axis
 - (D) Frontal
110. At high altitude level, which of the following animal can tolerate the hypoxic condition after the production of nitric oxide (NO)?
- (A) Cattle
 - (B) Horse
 - (C) Sheep
 - (D) Dog
111. How many pairs of cervical nerves are observed in large ruminants?
- (A) 6
 - (B) 7
 - (C) 8
 - (D) 9
112. In embryo transfer technology, the embryo from donor animal can be collected in which of the following stage?
- (A) Cleavage
 - (B) Morula
 - (C) Blastula
 - (D) Gastrula
113. Which of the following cost is constant and does not change with output?
- (A) Variable Cost
 - (B) Recurring Cost
 - (C) Marginal Cost
 - (D) Fixed Cost
114. For chicken eggs, Haugh unit is the most common method for evaluating
- (A) Yolk condition
 - (B) Albumen condition
 - (C) Egg porosity
 - (D) All of the above
115. Which of the following is the correct order of depigmentation of body parts in chicken?
- (A) Bottom of feet, Beak, Eye ring and Vent
 - (B) Eye ring, Beak, Bottom of feet and Vent
 - (C) Vent, Eye ring, Beak and Bottom of feet
 - (D) Vent, Beak, Eye ring and Bottom of feet
116. For a farm to be called as mixed farm, what percentage (%) of its gross income must be contributed by livestock components?
- (A) 10 – 15%
 - (B) 5 – 9%
 - (C) More than 20%
 - (D) 16 – 20%



117. Passage of drugs across biological membrane takes place through various transport systems. One of such processes which is an energy-dependent transport system in which the solute takes help of a carrier, usually a membrane protein to cross the barrier imposed by lipid bilayer, is
- (A) Active transport
 - (B) Pinocytosis
 - (C) Diffusion
 - (D) Filtration
118. A unique feature of phenoxybenzamine is its ability to convert the pressor response of injected epinephrine into a depressor response, a phenomenon called Dale's epinephrine reversal phenomenon. This occurs due to blockage of which receptor ?
- (A) α_1 receptor
 - (B) α_2 receptor
 - (C) β_1 receptor
 - (D) β_2 receptor
119. Which one of the following statement is correct about an antibiotic Hygromycin B ?
- (A) It is effective against GI roundworms.
 - (B) It is obtained from *Streptomyces griseus*.
 - (C) It is obtained from *Micromonospora purpurea*.
 - (D) It has antifungal action.
120. Silver nitrate is an inorganic compound, soluble in water and alcohol. It is not recommended for one of the following cases :
- (A) Removal of maggots
 - (B) To cauterize skin
 - (C) Removal of warts
 - (D) Removal of overproduction of granulations
121. Antineoplastic drugs are divided into four main categories and further subdivided based on their chemical structure and/or mechanism of action. Which one of the following is a purine analogue ?
- (A) Fluorouracil
 - (B) Azathioprine
 - (C) Vincristine
 - (D) Methotrexate
122. Tetracycline, a group of broad spectrum antibiotics are either obtained naturally, from soil actinomycetes or prepared semi-synthetically with similar antimicrobial features but differ from one another in terms of their pharmacokinetics. Which one of the following is the *incorrect* statement about tetracycline ?
- (A) They are primarily bacteriostatics.
 - (B) They are occasionally used as markers of bone tumours.
 - (C) They cannot be given with meals.
 - (D) They can be given with intravenous fluids, particularly Ringer's lactate, calcium preparations.



123. Which of the following sampling method is best for wildlife census ?
- (A) Probability sampling
 - (B) Systematic sampling
 - (C) Stratified sampling
 - (D) Two-stage sampling
124. The act of mating in Pigs is known as
- (A) Serving
 - (B) Topping
 - (C) Covering
 - (D) Coupling
125. Goat meat is known as
- (A) Mutton
 - (B) Veal
 - (C) Chevon
 - (D) Pork
126. The incubation period of turkey egg is
- (A) 32 days
 - (B) 27 days
 - (C) 26 days
 - (D) 28 days
127. A farm on which 50 percent or more receipts are obtained from a single source is known as
- (A) Specialized farm
 - (B) Arable farm
 - (C) Unique farm
 - (D) Both (A) and (C)
128. The feed allowed for a given animal during a day of 24 hours is called as
- (A) Ration
 - (B) Diet
 - (C) Balanced feed
 - (D) Complete feed
129. In 1890, a feeding standard based on the "available fuel values of the feeds" was proposed by
- (A) Armsby
 - (B) Atwater
 - (C) Kellner
 - (D) Lehmann
130. In India many workers have followed factorial method where _____ are estimated to assess protein requirement.
- (A) DCP and TDN
 - (B) EUN and MFN
 - (C) DE and ME
 - (D) None of the above
131. The pH of very good silage is between _____
- (A) 2.5 to 3.5
 - (B) 3.5 to 4.2
 - (C) 4.2 to 4.5
 - (D) 4.5 to 4.8
132. During chicken egg incubation of 21 days, on which day does the act of formation of reproductive organs and differentiation of sex take place ?
- (A) 3rd day
 - (B) 5th day
 - (C) 9th day
 - (D) 7th day



133. The active form of Vitamin D in animal body is _____.
- (A) Ergocalciferol
 - (B) 7-dehydrocholesterol
 - (C) 25-hydroxycholecalciferol
 - (D) 1,25-dihydroxycholecalciferol
134. Non-digestible food ingredients that selectively stimulate the growth of favourable species of bacteria in gut are called as
- (A) Probiotics
 - (B) Synbiotics
 - (C) Prebiotics
 - (D) Postbiotics
135. The protein content of colostrum is
- (A) 10
 - (B) 15
 - (C) 17
 - (D) 23
136. Grass tetany is caused by a metabolic deficiency of
- (A) Mg
 - (B) Ca
 - (C) Mg and Ca
 - (D) Ca, Mg and K
137. For Zebu cattle, 1 kg additional amount of concentrate is required for every _____ kg of milk over and above the maintenance requirement.
- (A) 2.5
 - (B) 3.5
 - (C) 4.5
 - (D) 5.5
138. What is the percentage of exotic inheritance of Bharat Merino, a crossbred strain of sheep evolved in India ?
- (A) 75%
 - (B) 25%
 - (C) 62.5%
 - (D) 50%
139. Which of the following is a heritable and fixable component of phenotypic variance ?
- (A) Environmental variation
 - (B) Additive variation
 - (C) Both of the above
 - (D) None of the above
140. Which of the following system of breeding enlightens the less desirable recessive genes ?
- (A) Cross breeding
 - (B) Grading up
 - (C) Inbreeding
 - (D) Species hybridization
141. _____ is a process control system designed to identify and prevent microbial and other hazards in food production.
- (A) FAO
 - (B) WHO
 - (C) CLFMA
 - (D) HACCP



142. Fresh muscle (lean) tissue contains about _____ percent of protein.
- (A) 11
 - (B) 15
 - (C) 19
 - (D) 23
143. The intensity of light at all inspection points in an abattoir should **not** be less than
- (A) 110 Lux
 - (B) 220 Lux
 - (C) 420 Lux
 - (D) 540 Lux
144. The white or albumen portion of chicken egg constitutes about _____ percent of the total weight of an egg.
- (A) 17
 - (B) 34
 - (C) 58
 - (D) 68
145. Extension is a two-way channel between which of the following ?
- (A) Researcher and Extension Worker
 - (B) Researcher and Planner
 - (C) Farmer and Researcher
 - (D) Extension Worker and Farmer
146. According to PFA Rules (1976), in ice-cream, the level of stabilizers and emulsifiers should **not** exceed
- (A) 0.2%
 - (B) 0.3%
 - (C) 0.4%
 - (D) 0.5%
147. Which of the following is the best extension teaching method to prove the worth of a new practice suited to a particular area ?
- (A) Field trips
 - (B) Result demonstration
 - (C) Farm and home visit
 - (D) Method demonstration
148. Who occupies the most important central position in an effective learning situation among the following ?
- (A) Teaching material
 - (B) Learner
 - (C) Subject matter
 - (D) Teacher
149. Entrepreneurship development is the primary focus area of which of the following ?
- (A) Rashtriya Gokul Mission (RGM)
 - (B) National Programme for Dairy Development (NPDD)
 - (C) National Livestock Mission (NLM)
 - (D) Dairy Processing and Infrastructure Development Fund (DIDF)
150. Which of the following is a single printed paper of small size containing preliminary information relating to a particular topic in a concise manner ?
- (A) Leaflet
 - (B) Folder
 - (C) Bulletin
 - (D) Pamphlet



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