

# MA

Scientific Reports. Sci Rep. Low Gilbert Damping Constant in Perpendicularly Magnetized W/CoFeB/MgO Films with High Thermal Stability.

Perpendicular magnetic materials with low damping constant and high thermal stability have great potential for realizing high-density, non-volatile, and low-power consumption spintronic devices, which can sustain operation reliability for high processing temperatures. In this work, we study the Gilbert damping constant ( $\alpha$ ) of perpendicularly magnetized W/CoFeB/MgO films with a high perpendicular magnetic anisotropy (PMA) and superb thermal stability. The  $\alpha$  of these PMA films annealed at different temperatures ( $T_{\text{ann}}$ ) is determined via an all-optical Time-Resolved Magneto-Optical Kerr Effect method. We find that  $\alpha$  of these W/CoFeB/MgO PMA films decreases with increasing  $T_{\text{ann}}$ , reaches a minimum of  $\alpha = 0.015$  at  $T_{\text{ann}} = 350$  °C, and then increases to 0.020 after post-annealing at 400 °C. The minimum  $\alpha$  observed at 350 °C is rationalized by two competing effects as  $T_{\text{ann}}$  becomes higher: the enhanced crystallization of CoFeB and dead-layer growth occurring at the two interfaces of the CoFeB layer. We further demonstrate that  $\alpha$  of the 400 °C-annealed W/CoFeB/MgO film is comparable to that of a reference Ta/CoFeB/MgO PMA film annealed at 300 °C, justifying the enhanced thermal stability of the W-seeded CoFeB films.

. [ma] Trilogy. [ma] Trilogy. Tropical Diseases, Travel Medicine and Vaccines. Trop Dis Travel Med Vaccines. Perceptions, attitudes, practices, and factors associated with COVID-19 vaccination among travelers in the Democratic Republic of the Congo.

Vaccination against COVID-19 has been the primary public health measure implemented to limit the spread of the disease. However, there is still considerable scope for improvement in vaccine coverage, particularly in sub-Saharan African countries. The factors influencing the acceptance or reluctance of the COVID-19 vaccine have been widely studied, but there is a gap in the literature with regard to

dynamic populations, particularly travelers, who are one of the priority target groups for vaccination. This study assessed the perceptions, attitudes and practices regarding the COVID-19 vaccine, and explored factors associated with vaccination status among travelers.

A cross-sectional survey was conducted at several points of entry (PoEs) selected for six survey sites (N'djili airport, Ngobila beach, Lufu, Boma, Moanda, and Kananga), located in three provinces of the Democratic Republic of the Congo (Kinshasa, Kongo Central and Kasai Central), from February 20 to March 05, 2023. The data were summarized and logistic regression models were performed to assess factors associated with vaccination status.

A total of 2742 travelers were included in this survey. Of these, 54% had received at least one dose of COVID-19 vaccine. Multivariable logistic regression analyses revealed that several factors were significantly associated with vaccination status. These included age (under 60 years), marital status (single), occupation (other than healthcare worker), mode of travel (other than airplane), and poor perceptions of the vaccine. The most frequently cited reasons for vaccination among respondents who had received the vaccine were the prevention of COVID-19 infection and the ease of travel. In contrast, unvaccinated participants expressed greater concern about the safety and effectiveness of the vaccine, as well as vaccine-related side effects. Furthermore, travel disruption and inappropriate vaccination sites have been identified as significant obstacles to the acceptance of vaccination at the PoEs.

It is essential that awareness initiatives address concerns and misconceptions about vaccine safety and effectiveness. The influence of social media platforms may be harnessed for the dissemination of accurate information from the most trusted information sources, including healthcare professionals, to the target population. In addition, accompanying measures should be considered to facilitate vaccination compliance at different PoEs.

. Figure 2: Reconstructing maps of Japan and surrounding areas during the Middle Miocene, particularly ranging from 17 to 15 Ma as this period corresponds to the

geological age of HMN specimens and then indicates the change of geography over time: (A) 17 Ma; (B) 16.75 Ma; (C) 16.5 Ma; (D) 16.25 Ma; (E) 16 Ma; (F) 15 Ma..  
Bangladesh Veterinarian. Bangl. vet.. Evaluation of quality of mozzarella cheese.

The physical and chemical qualities of mozzarella cheese prepared from cow and buffalo milk were evaluated by a panel of judges (flavour and taste, body and texture, finish and colour) and by chemical tests (acidity, pH, fat, protein, lactose and ash). The flavour and taste, finish and colour of cow cheese were not significantly different from those of buffalo cheese. Fat, protein, lactose and ash content of cow cheese were significantly higher than those of buffalo cheese. (Bangl. vet. 2010. Vol. 27, No. 1, 36 – 42) DOI: 10.3329/bvet.v27i1.5913

. CRC Handbook of Thermodynamic Data of Aqueous Polymer Solutions.

Characterization: PEGDM-mixture used for the Selexol process diethylene glycol dimethylether 2.07 Ma% diethylene glycol monomethylether 0.16 Ma% triethylene glycol dimethylether 21.01 Ma% triethylene glycol monomethylether 0.72 Ma% tetraethylene glycol dimethylether 33.68 Ma% tetraethylene glycol monomethylether 0.67 Ma% pentaethylene glycol dimethylether 26.39 Ma% pentaethylene glycol monomethylether 0.38 Ma% hexaethylene glycol dimethylether 12.78 Ma% hexaethylene glycol monomethylether 0.10 Ma% heptaethylene glycol dimethylether 1.87 Ma% Solvent (A): carbon dioxide CO 124-38-9 Solvent (C): diisopropanolamine C HNO 110-97-4 Solvent (D): water H O 7732-18-5. Authors group. Wenbo Ma. Ma Theory and the Creative Management of Innovation. Ma in Traditional Japanese Theater: The Ma of Space and Ma of Time. Migration and Urbanization in China. Public Health Research. PHR. Behavior Changes in Older Persons Caused by Using Wood Products in Assisted Living. A study of Ma Yuan = Ma Yuan yan jiu. A study of Ma Yuan = ??????. T'oung Pao. Vi. Ma-It- Ma-It-Tung- Ma-lëp-Ung. Bangladesh Journal of Agricultural Research. Bangladesh J. Agric. Res. Quality Of Tomato As Influenced By Boron And Zinc In Presence Of Different Doses Of Cowdung.

The experiment was carried out at the Vegetable Research Farm of the Horticulture Research Centre, Bangladesh Agricultural Research Institute, Joydebpur, Gazipur to investigate the effect of boron, zinc, and cowdung on quality of tomato. There were 16 treatments comprising four rates of boron and zinc viz., BoZn0. B1.5Zn2 B2Zn4 and B2.5Zn6 kg/ha and four rates of cowdung viz., CDo, CD10, CD15, and CD20 t/ha. Every plot received 253 kg N, 90 kg P, 125 kg K, and 6.6 kg S per hectare. The

results reflected that the highest pulp weight (90.24%), dry matter content (5.82%), ascorbic acid (11.2 mg/100g), lycopene content (147 µg/100g), chlorophyll-a (42.0 µg/100g), chlorophyll-b (61.0 µg/100g), boron content (36 µg/g), zinc content (51 µg/g), marketable fruits at 30 days after storage (74%) and shelf life (17 days) were recorded with the combination of 2.5 kg B/ha + 6 kg Zn/ha, and 20 t/ha cowdung. Keywords: Quality of tomato; boron; zinc; doses of cowdung. DOI: <http://dx.doi.org/10.3329/bjar.v36i1.9239> BJAR 2011; 36(1): 151-163

. Voix et Images. vi. Problématique d'un théâtre féministe : le cas d'À ma mère, à ma mère, à ma mère, à ma voisine.

#### Résumé

En s'appuyant sur certaines théories féministes américaines du théâtre, cette étude s'attache à montrer les dangers de la mimesis réaliste traditionnelle pour la création d'un théâtre féministe. Les stratégies esthétiques de la pièce collective *K ma mère, à ma mère, à ma mère, à ma voisine* - telles que Vaholition du metteur en scène, le travail sur la construction des corps féminins, les ruptures narratives par la simultanéité des scènes et les procédés brechtiens d'autoréflexivité - sont ensuite analysées et comparées à celles d'autres pièces féministes québécoises des années soixante-dix. Cette analyse, qui fait d'*K ma mère* une sorte de modèle théorique, débouche sur la problématique d'un théâtre de femmes qui serait libéré des contraintes du patriarcat.

. Cochrane Database of Systematic Reviews. Taxane schedules for non-small cell lung cancer. AKR1B10 Expression Characteristics in Hepatocellular Carcinoma and Its Correlation with Clinicopathological Features and Immune Microenvironment. Background and Aims: Hepatocellular carcinoma (HCC) represents a major global health threat with diverse and complex pathogenesis. Aldo-keto reductase family 1 member B10 (AKR1B10), a tumor-associated enzyme, exhibits abnormal expression in various cancers. However, a comprehensive understanding of AKR1B10's role in HCC is lacking. This study aims to explore the expression characteristics of AKR1B10 in HCC and its correlation with clinicopathological features, survival prognosis, and tumor immune microenvironment, further investigating its role and potential regulatory mechanisms in HCC. Methods: This study conducted comprehensive analyses using various bioinformatics tools and databases. Initially,

differentially expressed genes related to HCC were identified from the GEO database, and the expression of AKR1B10 in HCC and other cancers was compared using TIMER and GEPIA databases, with validation of its specificity in HCC tissue samples using the HPA database. Furthermore, the relationship of AKR1B10 expression with clinicopathological features (age, gender, tumor size, staging, etc.) of HCC patients was analyzed using the TCGA database's LIHC dataset. The impact of AKR1B10 expression levels on patient prognosis was evaluated using Kaplan-Meier survival analysis and the Cox proportional hazards model. Additionally, the correlation of AKR1B10 expression with tumor biology-related signaling pathways and tumor immune microenvironment was studied using databases like GSEA, Targetscan, and others, identifying microRNAs (miRNAs) and long non-coding RNAs (lncRNAs) that regulate AKR1B10 expression to explore potential regulatory mechanisms. Results: Elevated AKR1B10 expression was significantly associated with gender, primary tumor size, and fibrosis stage in HCC tissues. High AKR1B10 expression indicated poor prognosis and served as an independent predictor for patient outcomes. Detailed mechanism analysis revealed a positive correlation between high AKR1B10 expression, immune cell infiltration, and pro-inflammatory cytokines, suggesting a potential DANCER-miR-216b-5p-AKR1B10 axis regulating the tumor microenvironment and impacting HCC development and prognosis. Conclusion: The heightened expression of AKR1B10 in HCC is not only related to significant clinical-pathological traits but may also influence HCC progression and prognosis by activating key signaling pathways and altering the tumor immune microenvironment. These findings provide new insights into the role of AKR1B10 in HCC pathogenesis and highlight its potential as a biomarker and therapeutic target.

. Cochrane Database of Systematic Reviews. Octreotide for inoperable malignant bowel obstruction. Benezit Dictionary of Artists. Ma Guanwo. Ma Guanwo. Benezit Dictionary of Artists. Ma Yuan. Ma Yuan. Portrait of the Burmese Journalist, Journal Kyaw U Chit Maung. A Man Like Him

*construction management exam question and answers anatomy trains myofascial meridians for and movement therapists 2e satellite channels guide arriba 8th edition solutions to animal husbandry waec practical*

# **CONSTRUCTION MANAGEMENT EXAM QUESTION AND ANSWERS**

**What is the passing score for the certified construction manager exam?** The 25 un-scored pilot questions are not identified to the candidate and are randomly mixed within the exam. The examination assesses general knowledge of design and construction management and requires an overall passing score of 72% or higher. The CCM exam is a computer-based test (CBT).

**Is construction management a lot of math?** Is there a lot of math in construction management? If you plan to work in construction management, solid knowledge of mathematical and accounting principles is necessary to prepare cost estimates, manage budgets and handle any other financial issues related to construction projects.

**Is construction management easy or hard?** The path to becoming a construction manager can be lengthy and challenging. Most certification boards require construction managers to also continue with ongoing education to maintain their knowledge.

**What math is needed for construction management?** Construction management involves math skills for assisting in blueprint creation, measuring construction spaces and accounting for materials and finances. The ability to perform basic math like addition and subtraction as well as more complicated formulas is often a large part of construction management careers.

**What happens if you fail the CCM exam?** Candidates who do not pass the CCM exam on the first attempt may retake the exam two additional times, either in-person or using a live remote proctor, with a minimum waiting period of 45 days between each exam.

**Is the certified construction manager exam hard?** Certification can demonstrate your skills, knowledge, and professionalism to potential employers and clients. However, passing construction management certification exams is not easy. You need to prepare well and follow some effective strategies.

**Can you make a lot of money in construction management?** Construction management salaries in the US are typically between \$112,000 and \$148,000 a year with an average of approximately \$131,000 annually (Salary.com), but top earners make more than \$160,000 a year.

**What degree do most construction managers have?** Construction managers typically need a bachelor's degree, and they learn management techniques through on-the-job training. Large construction firms may prefer to hire candidates who have both construction experience and a bachelor's degree in a construction-related field.

**What is the best degree for construction?**

**Does GPA matter for construction management?** Generally, students with higher GPAs and competition participation tend to experience greater salary growth in their careers. This suggests that construction management students who perform the best in college will have the more successful careers, as measured by salary.

**How long does it take to learn construction management?** Earning a construction management degree can take four years or more to complete. However, many schools offer accelerated construction management degree programs.

**Is it stressful being a construction manager?** Construction management is a demanding field that requires a blend of technical skills, leadership, and the ability to manage projects, budgets, and teams. However, the high-stress nature of the job can lead to burnout.

**Do you need algebra for construction?** Geometry, algebra, and trigonometry all play a crucial role in architectural design. Architects apply these math forms to plan their blueprints or initial sketch designs. They also calculate the probability of issues the construction team could run into as they bring the design vision to life in three dimensions.

**Do construction managers have to be good at math?** Do You Need To Be Good At Math To Work In Construction Management? In short: no, you do not need to be an expert in math to work in Construction Management. But you do need to have some basic skills.

**Is it worth studying construction management?** A construction management degree offers a strategic advantage that could allow you to climb the corporate ladder and transition into roles that require less physical strain and more strategic oversight.

**How hard is it to pass the CCM exam?** And while the CCM is practice-based, you should know that the CCM exam has a passing score of only 70%. You've heard the saying "Practice makes perfect", and this is true. If you feel like you are weak in some areas of the CCM exam, it's always a good idea to take a practice test.

**What is the passing score for the CC exam?** Item format : Multiple choice.  
Passing grade : 700 out of 1000 points.

**How many people pass the CCM exam?**

**What is the passing score for the CPB exam?** Passing grades For a passing score of 70%, you must get at least 95 questions correct. If you incorrectly answer more than 41 questions, you will not pass.

## **ANATOMY TRAINS MYOFASCIAL MERIDIANS FOR AND MOVEMENT THERAPISTS 2E**

**What does anatomy train myofascial meridians for?** Anatomy Trains Myofascial Meridians gives you a new understanding of whole-body patterning in posture and function – the interplay of movement and stability. Understanding the 'Superficial Back Line' as a whole gives insights into hamstring problems that you cannot get from considering the hamstrings alone.

**What is the anatomy train theory?** The Anatomy Trains Myofascial Meridians are connections through the fascial fabric of your body. They are potential lines of pull which can distribute strain, transmit force and affect the structure and function of your body.

**How many anatomy train lines are there?** The 12 myofascial meridians that comprise the Anatomy Trains system are all following that grain. Certain of the connections within the lines I have charted will likely be modified by the next iteration



of this concept, or by researchers like Jan Wilke (read one of his abstracts on fascial continuities [here](#).)

**What are the 7 myofascial lines?** The targeted myofascial meridians were the superficial back line, superficial front line, lateral line, spiral line, back functional line, and front functional line (see table 1 and fig 1).

**Which organ is targeted during myofascial release?** Muscle Spindles: This sensory feedback prompts the CNS to regulate muscle contraction, ensuring optimal muscle length and tension for movement and stability. During myofascial release sessions, therapists target muscle spindles by applying sustained pressure or gentle stretching to the affected muscles.

**What is the difference between Rolfing and anatomy trains?** One of the major differences between Rolfing and Anatomy Trains Structural Integration is that the sessions have been adapted around the myofascial meridians called Anatomy Trains discovered and popularised by Tom Myers.

**Are myofascial lines real?** What it is perhaps best known for is the power transmission lines also known as myofascial lines. The lines enclose muscles, and it is sometimes described what the function of these muscles is or what type of muscle fiber the line contains.

**What is the 2 train theory?**

**What are the 5 fascia lines?** Broadly, the fascia lines are categorised into five parts-- front line fascia, back line fascia, lateral line fascia, spiral line fascia and the arm line fascia.

**What are the three types of fascia?**

**What are the myofascial functional lines?** What exactly are “Myofascial Lines”? Basically they are lines of connective tissue that run through out the body. There is a posterior (back) line, anterior (front) line, spiral, and lateral lines. These lines help the body to move as a unit.

**What is fascia anatomy trains?** Fascia is the biological fabric that holds us together, the connective tissue network. You are about 70 trillion cells — neurons, muscle cells, epithelia — all humming in relative harmony; fascia is the 3D spider web of fibrous, gluey, and Fasciawet proteins that binds them together in their proper placement.

**What is the main purpose of myofascial release technique?** Myofascial release therapy is a therapeutic approach that can be used to treat myofascial pain syndrome. It's a hands-on technique that works to relax, lengthen and realign your fascia. The goal is to bring you pain relief, as well as give you back your full range of motion.

**What is myofascial human anatomy?** Fascia, or myofascial tissue, is a thin but tough connective tissue that wraps around most structures within the body, including muscles. Therapists feel these under light manual pressure.

**What does myofascial release do to your body?** The massage and stretching used in myofascial release therapy can help loosen muscles and joints. This may help indirectly ease your back pain. Many studies have found that massage, spine manipulation and other therapies done by hand work as well as other treatments for back pain.

## **SATELLITE CHANNELS GUIDE**

Radiosonde processing and clarification of satellite channels. Internetworking and Computing Over Satellite Networks. TCP Performance Over Satellite Channels. Satellite Realms. Text and Context: Satellite Channels in a Changing Environment. Guide to measurement of flow in tidal channels. Measurement of liquid flow in open channels. 9th Communications Satellite System Conference. Nonlinear equalization of digital satellite channels. 14th International Communication Satellite Systems Conference and Exhibit. Networking supercomputers via satellite channels. Advances in Communications Satellite Systems Proceedings of The 36th International Communications Satellite Systems Conference (ICSSC-2018). Rateless codes for satellite systems over rain fading channels. Advances in Communications Satellite Systems: Proceedings of the 37th International Communications Satellite Systems Conference (ICSSC-2019). On decoding \_\_\_\_\_

strategies for satellite uplink asynchronous random access channels. Foreign Law Guide. Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Communications, Telecommunications & Satellite Transmissions. Journal of Kurdistan for Strategic Studies. JKSS. Technical Aspects of the Focal Topics in the Production of the Television Feature for Kurdish Satellite Channels for Kurdish Satellite Channels.

This study aims to identify the technical aspects of the content topics in the production of the TV feature for the Kurdish satellite channels. The researchers used the descriptive approach and the content analysis satellite channels )TV features broadcasted on )Rudaw and Kurdistan?4 )??( method for the contents of and after analyzing the content of the sample, the study ,????/6/? till ????/?/? during the period from reached several results, the most important of which are: The most important topics of the posters presented in the two channels are )real-life story narrator and interviews about types of work(, then )lifestyle(. And )good living(, the results of the analysis showed that the majority of the characters for the topics of the personality that were presented in the two channels were ordinary people, then the artistic personality. The results also showed the different types of TV camera movements in the production of the features and showed that the )cut( effects got the largest ratio between the other transitions, and finally .the results showed that )the angle of view( is the most used among all types of angles Content of feature ,?4 Key words: Features, Production, Feature Production, Rudaw and Kurdistan .production

. Advances in Communications Satellite Systems. 37th International Communications Satellite Systems Conference (ICSSC-2019). On decoding strategies for satellite uplink asynchronous random access channels [International Communications Satellite Systems Conference]. Foreign Law Guide. Colombia - Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Afghanistan - Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Ecuador - Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Thailand - Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Zambia - Communications, Telecommunications & Satellite Transmissions. Foreign Law Guide. Venezuela - Communications, Telecommunications & Satellite

Transmissions. Foreign Law Guide. Vietnam - Communications,  
Telecommunications & Satellite Transmissions. Foreign Law Guide. Zimbabwe -  
Communications, Telecommunications & Satellite Transmissions

## **ARRIBA 8TH EDITION**

Nefrología (English Edition). Nefrología (English Edition). Recertification model: An opportunity for nephrologists. Medicina Clínica (English Edition). Medicina Clínica (English Edition). Dexamethasone-induced hiccup. Actas Dermo-Sifiliográficas (English Edition). Actas Dermo-Sifiliográficas (English Edition). Response to “Stage IIIC Solitary Dermal Melanoma”. Archivos de la Sociedad Española de Oftalmología (English Edition). Archivos de la Sociedad Española de Oftalmología (English Edition). Effectiveness of oral counselling for smoke cessation in Graves orbitopathy patients. Medicina Clínica (English Edition). Medicina Clínica (English Edition). Down syndrome: Current incidence and comorbidities. Neurología (English Edition). Neurología (English Edition). Hypopituitarism: An uncommon cause of developmental delay. Medicina Clínica (English Edition). Medicina Clínica (English Edition). Importance of multidisciplinary monitoring in Medicine: CHARGE syndrome. Actas Dermo-Sifiliográficas (English Edition). Actas Dermo-Sifiliográficas (English Edition). Necrotic Papules Associated With Hemoptysis and Acute Renal Failure. Medicina Clínica (English Edition). Medicina Clínica (English Edition). Mayer-Rokitansky-Küster-Hauser syndrome: Two case reports. Revista Clínica Española (English Edition). Revista Clínica Española (English Edition). C3 glomerulopathy: A new complement-based entity. Nefrología (English Edition). Nefrología (English Edition). Extracapillary glomerulonephritis and leprosy: An uncommon association. PCI Design Handbook 8th edition Student Edition.

The PCI Design Handbook is the authoritative guide for the design, manufacture, and use of structural precast, prestressed concrete and architectural precast concrete. The PCI Design Handbook Student Edition includes chapters 1 through 5, 9, and 15 from the 8th edition of the PCI Design Handbook. It offers comprehensive and efficient procedures for the safe design of both architectural and structural precast and prestressed concrete products

. Medicina Clínica (English Edition). Medicina Clínica (English Edition).  
Hypoparathyroidism and disorder of sex development: A rare association. City and

Guilds Edition. Advanced Electrical Installation Work 2365 Edition, 8th ed. Neurología (English Edition). Neurología (English Edition). CHARGE syndrome and CHD7 gene mutation. Actas Dermo-Sifiliográficas (English Edition). Actas Dermo-Sifiliográficas (English Edition). Kaposi's Sarcoma Treated with Topical Alitretinoin. Revista Española de Cirugía Ortopédica y Traumatología (English Edition). Revista Española de Cirugía Ortopédica y Traumatología (English Edition). New Horizons in the Treatment of Lumbar Disc Disease. Neurología (English Edition). Neurología (English Edition). Is acute otitis media always banal? Clinical cases and review of intracranial complications. Actas Urológicas Españolas (English Edition). Actas Urológicas Españolas (English Edition). Upper urinary tract tumors associated to Lynch syndrome: A case report. Nefrología (English Edition). Nefrología (English Edition). Teaching nephrology as part of a degree in medicine

## **SOLUTIONS TO ANIMAL HUSBANDRY WAEC PRACTICAL**

### **Solutions to Animal Husbandry WAEC Practical**

**Question 1: Identify and describe the different breeds of cattle.**

**Answer:**

- **Holstein-Friesian:** Black and white markings, high milk production
- **Jersey:** Small, fawn-colored, rich milk yield
- **Ayrshire:** Brown and white markings, medium milk production
- **Guernsey:** Golden-fawn color, high butterfat content in milk
- **Brahman:** Heat-tolerant, dark grey or white coat, good for beef production

**Question 2: Describe the feeding schedule for broilers.**

**Answer:**

Broilers require a high-energy diet to promote rapid growth. The feeding schedule is as follows:

- **Starter feed (0-3 weeks):** High protein and energy content
- **Grower feed (4-6 weeks):** Lower protein and energy content
- **Finisher feed (7-9 weeks):** Highest energy content to prepare for slaughter

**Question 3: Explain the importance of deworming livestock.**

**Answer:**

Deworming is crucial because internal parasites can cause health issues such as:

- Reduced growth and weight gain
- Anemia
- Diarrhea and weight loss
- Damage to internal organs
- Reduced fertility

**Question 4: Describe the signs and symptoms of Newcastle disease in poultry.**

**Answer:**

- **Respiratory symptoms:** Sneezing, coughing, gasping for air
- **Nervous symptoms:** Tremors, circling, paralysis
- **Digestive symptoms:** Diarrhea, vomiting
- **Eye symptoms:** Swelling, discharge, blindness
- **Reproductive symptoms:** Reduced egg production, infertility

**Question 5: Explain the purpose of castration in livestock production.**

**Answer:**

Castration is performed to:

- Prevent unwanted reproduction, controlling population growth
- Improve meat quality by reducing boar taint and buck odor
- Promote better behavior, reducing aggression and roaming tendencies
- Facilitate handling and management of livestock