

## **Missouri Cannabis Industry Association** **Certified Caregiver Program Study Guide**

MCIA Certified Caregivers must demonstrate knowledge in the areas of regulation, cultivation, and some basic health care knowledge. The following should be used to study for the exam necessary to acquire the certification.

There are three tests; Foundations Exams A & B are necessary for the Foundation Certification while those qualifying for an Advanced certification will need to have passed both Foundation Exams as well as an Advanced Caregiver Exam.

Prospective certificants may take the exams as often as needed [additional fee required], and the exams are 'open internet.' Once the exams have been passed you should apply for your certification.

### **Foundation Exam (A)**

Unlike the other exams, Exam (A) has an integrated course module that covers [19 CSR 30-95.030 Qualifying Patient/Primary Caregiver](#) rules. Questions may cover any topic found there.

### **Foundation Exam (B) Questions v1.4**

Q1: A patient asks you if they should stop taking pain medication after starting cannabis, what is the proper response from a caregiver?

Q2: It is important to take the time to develop your cultivation costs because \_\_\_\_\_

Q3: Making a formal agreement with your patient is important because \_\_\_\_\_

Q4: The Endocannabinoid System is \_\_\_\_\_

Q5: A light cycle is \_\_\_\_\_

Q6: Define auto-flowering cannabis

Q7: Define photoperiod cannabis

Q8: Which sex of cannabis plants are desirable for the production of medicine?

Q9: An intersex trait is \_\_\_\_\_

Q10: The phases of growth for cannabis are \_\_\_\_\_

Q11: When is the optimal timing to transplant?

Q12: What are the most common problems for new growers?

Q13: For peak potency, cannabis should be harvested when nearly all trichomes are cloudy, milky, or translucent.

Q14: Is it appropriate to share the growing processes and materials with the patient?

Q15: What is a synthetic fertilizer?

Q16: Can you mix synthetic and organic fertilizers?

Q17: Define hydroponic growing.

Q18: Define soil growing?

Q19: How important is cleanliness when producing medical cannabis for a patient?

Q20: Select the preferred method to control temperature for an indoor grow.

Q21: What is the most important reason air must be exchanged from a source outside the grow room?

Q22: Why is it necessary to ensure movement of air within the grow area?

Q23: What is the most common equipment used to control odors in an indoor grow?

Q24: What is the range of relative humidity that is ideal for most varieties of cannabis?

Q25: What is needed to control humidity during a Missouri spring, summer, and fall?

Q26: What is needed to control humidity during a Missouri winter?

Q27: What is the maximum amount of supplemental CO<sub>2</sub> that should be added to maximize cannabis growth for most cannabis varieties?

Q28: How important is the choice of lighting for the long term success and productivity of an indoor grow?

Q29: What is the appropriate range of light intensity for cannabis seedlings or cuttings (in

PPFD)?

Q30: What is the appropriate range of light intensity for cannabis in the vegetative growth stage (in PPFD)?

Q31: What is the appropriate range of light intensity for cannabis in the flowering growth stage (in PPFD)?

Q32: Define high-intensity discharge (HID) lighting.

Q33: Define liquid-emitting diode (LED) lighting.

Q34: What is the 'footprint' of a light?

Q35: What is a PAR Map?

Q36: What is the *ideal* temperature and humidity for drying of cannabis?

Q37: Without tools, how can you determine when cannabis is dry enough to store?

Q38: What are the benefits of hanging cannabis to dry?

Q39: A patient asks your advice regarding drug interactions with cannabis, what is the proper response from a caregiver?

Q40: Describe the difference between a 'wet trim' and 'dry trim'?

Q41: Describe the difference between hand trimming and machine trimming.

Q42: What is propagation?

Q43: On what date will a home cultivation need need to purchase seeds only from a licensed Missouri Medical Cannabis Dispensary Facility?

Q44: Define germination.

Q45: What is a soft-tissue cutting?

Q46: What is the best approach to dealing with pests?

Q47: Select an example of an environmental pest control.

Q50: In regards to pest management, what are cultural controls?

Q51: Why important is it to research the chemicals and products used for medical cannabis

production.

Q52: Select a grow space parameter can directly affect the variety of cannabis selected.

Q53: Which website below can help a patient select a variety of cannabis to try for their symptoms?

Q54: What determines the effects cannabis will have on a patient?

Q55: What is the most important purpose for lab testing cannabis for patients?

### **Advanced Exam Questions v1.4**

Q1: What is the definition for the endocannabinoid system?

Q2: The endocannabinoid system controls which bodily systems?

Q3: The Endocannabinoid system is made up of?

Q4: CB1 receptors are primarily located in the brain?

Q4: CB2 receptors can be found in?

Q5: Which receptor does THC bind with?

Q6: Endocannabinoids are cannabinoids our own bodies make. Name the endocannabinoids our bodies produce.

Q7: Common cannabinoids found in cannabis are?

Q8: The most important difference between CBD and THC is?

Q9: Are there any known drug interactions with cannabis?

Q10: A patient of yours calls and tells you they need to take more and more inhalations to get the same relief they did in the beginning. What is the appropriate response?

Q11: You are in the presence of a patient you know has a long history of high blood pressure and takes several medications. They've just medicated and when they go to stand up you see them stand up and fall back on a chair. He says he's dizzy and feels like he's going to vomit. What is the appropriate response?

Q12: After a few minutes the patient's symptoms have resolved and he is able to stand and walk without any dizziness. He mentions he has noticed this has been happening more frequently. What is the most appropriate response?

Q13: You have a new patient who has recently been diagnosed with cancer who wants to avoid chemotherapy. What's the most appropriate action?

Q14: Your patient says her next pain contract urinalysis is in two weeks and she fears she won't be able to pass the UA, therefore not getting her prescriptions for opioids. She says she is determined to get completely switched over to cannabis before her appointment. What's the best response?

Q15: You've been curing your most recent harvest and when you check on it you notice a few buds have a gray fuzzy substance on them. What do you do?

Q16: You and a new patient are discussing your methods for growing and they state they have been diagnosed with Heavy Metal Poisoning. How could you ensure your cultivation methods don't worsen their condition?

Q17: As a caregiver you are an important member of a cannabis patient's team. Who could be other important members?

Q18: A patient has been diagnosed with bipolar disorder and their goal is to quit taking prescription medications. What should you encourage the patient to do?

Q19: A patient diagnosed with anxiety and an autoimmune disease reports having negative side effects from the strain you are currently providing for them. What is the most appropriate action?

Q20: Is it acceptable to take Warfarin, a common blood thinner, with a dose of CBD or THC?

Q21: Sour Diesel is high in both of these terpenes and this terpene combo has stress relieving and energizing effects.

Q22: Where in the cannabis plant are the Terpenes produced?

Which terpene(s) have the following effects/characteristics?

Q23: Anti-anxiety

Q24: Sedative

Q25: Anti-inflammatory

Q26: Citrus aroma

Q27: Elevated Mood

Q28: Bronchodilator

Q29: Peppery aroma

Q30: Anti-depressant

Q31: Pain Reliever

Q32: Are THC and CBD metabolized in the same way as any prescription medications?

Q33: Which terpene has scientifically shown to activate the CB2 receptors in our Endocannabinoid system and help reduce inflammation?

Q34: Your patient wants to know 2 strains that are high in the Terpene Limonene because that Terpene is good for their medical condition. Which 2 would you suggest?

Q35: A patient tells you they are very concerned about not wanting to experience strong psychoactive effects as well as becoming dependent on cannabis. Which ratio of cannabinoid content would be best for them?

Q36: You grew some Cannatonic, a strain very high in CBD and Low in THC for a patient. They made some edibles with it and want to know if they can take a dose in the morning when they take their blood pressure pills. What is your recommendation?

Q37: What strain would be most likely to help your patient sleep better?

Q38: What is a cannabis chemotype?

Q39: Name 10 products/chemicals that are banned for use on cannabis in at least one US State?

Q40: What is the most widely used rooting hormone ingredient?

Q41: Can soft-tissue cuttings be successfully taken without rooting hormones?

Q42: Which range of light spectrum is most effective for the vegetative stage of cannabis (in Kelvin)?

Q43: Which range of light spectrum is most effective for the flowering stage of cannabis (in Kelvin)?

Q44: What is PPFD?

Q45: Compare and contrast open and closed air ventilation systems for a grow space?

Q46: What is the average amount of CO<sub>2</sub> that occurs naturally in earth's atmosphere?

Q47: What is the average PPFD of sunlight on a clear summer [mid]day?