

**GEOGRAPHIC INFORMATION SYSTEMS  
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**\*\*\* EXAMINATION \*\*\***

**STANDARD PRACTICE FOR SEALING JOINTS AND  
CRACKS IN RIGID AND FLEXIBLE PAVEMENTS**

1. **A method of extending pavement life:**
  - a) sealing joints and cracks
  - b) breaking joints
  - c) breaking cracks
  - d) reducing joints
  
2. **A primary function of joint & crack sealant:**
  - a) forward seeping
  - b) continue seeping
  - c) encourage seeping
  - d) prevent seeping
  
3. **A materials used when sealing:**
  - a) field-poured hot applied
  - b) field-poured cold applied
  - c) preformed elastomeric
  - d) all of above
  
4. **A liquid at time of application:**
  - a) common sealants
  - b) field poured sealants
  - c) freeze sealants
  - d) chemical sealants
  
5. **Type H two-component sealants are designed for:**
  - a) hand-mixing
  - b) machine mixed
  - c) not mixed
  - d) none of above
  
6. **Type M two-component sealants are designed to be:**
  - a) not mixed
  - b) hand mixed
  - c) machine-mixed
  - d) none of above

7. **A backer material is :**
- a) backer cut
  - b) backer joint
  - c) backer sod
  - d) backer rod
8. **A sealant must be resistant to:**
- a) ultraviolet deterioration
  - b) tests
  - c) cars
  - d) both a and b
9. **Tar based sealants cannot be used on:**
- a) asphalt
  - b) snow
  - c) rain
  - d) hail
10. **A self-propelled, water-cooled power saw:**
- a) power saw
  - b) concrete saw
  - c) chain saw
  - d) jig saw
11. **A tractor mounted cutting tool:**
- a) joint Plow
  - b) shape plow
  - c) bow plow
  - d) diamond plow
12. **Sandblasting equipment includes:**
- a) air compressor
  - b) hose
  - c) 0.25-inch verturi type nozzle
  - d) all of above
13. **Rotary impact routers are equipped with:**
- a) paper
  - b) plastic
  - c) bits mounted to a vertical wheel
  - d) cardboard
14. **A vertical spindle router is equipped with:**
- a) a bit that rotates around its vertical axis
  - b) a bit that rotates around its horizontal
  - c) a bit that does not rotate
  - d) none of above

15. **To remove Field-poured sealant use a:**
- a) joint plow attachment
  - b) snow plow
  - c) garden plow
  - d) horse plow
16. **Cracks greater than one inch wide can:**
- a) never be patched
  - b) not be patched
  - c) be temporarily patched
  - d) have their repair postponed
17. **Liquid hot-Applied Sealing Equipment has a:**
- a) joint tank
  - b) reservoir tank
  - c) car motor
  - d) fish tank
18. **If sawing the joints is required:**
- a) it must be specifically stated
  - b) it does not have to be stated
  - c) is automatically stated
  - d) is never stated
19. **When a sealant has cured it:**
- a) has separated
  - b) has bonded
  - c) has leaked
  - d) has cracked
20. **A sealant must be**
- a) resistant to aging
  - b) resistant to ultraviolet deterioration
  - c) resistant to jet blasts
  - d) All of the above

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<b>*** ANSWER SHEET *** U428</b>  <b>STANDARD PRACTICE FOR SEALING          JOINTS AND CRACKS IN RIGID AND          FLEXIBLE PAVEMENTS</b>	<u>STATE BOARD</u>	<u>COURSE NO.</u>	<u>VALUE</u>
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I hereby certify that I studied the course materials, and the above answers are my own. No one has helped me to complete this exam.

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