IAT_3_SCRS

Test will have 25 questions.
Each question carries 2 marks.
Duration : 60 minutes
Good luck!

Name *

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1. One of the advantages of visual interpretation over digital processing techniques is * 2 points

- [ ] Simplicity of analysis
- [x] Ability to add complex criteria
- [ ] Vegetation can be easily detected
- [ ] None of the above

2. Following are the information seen in the image margin: * 2 points

- ○ date of acquisition
- ○ compression
- ○ scale
- ◉ All the above

3. Visual interpretation uses following criteria * 2 points

- ○ Texture
- ○ Location
- ○ Arrangement
- ◉ All the above

4. Brightness of a cover refers to * 2 points

- ◉ intensity of radiance received by pixel for a spectral band
- ○ surface roughness of the cover
- ○ surrounding environment
- ○ none of the above

5. The human eye is restricted to discriminating ---- or fewer gray levels * 2 points

- [ ] 32
- [x] 64
- [ ] 128
- [ ] 256

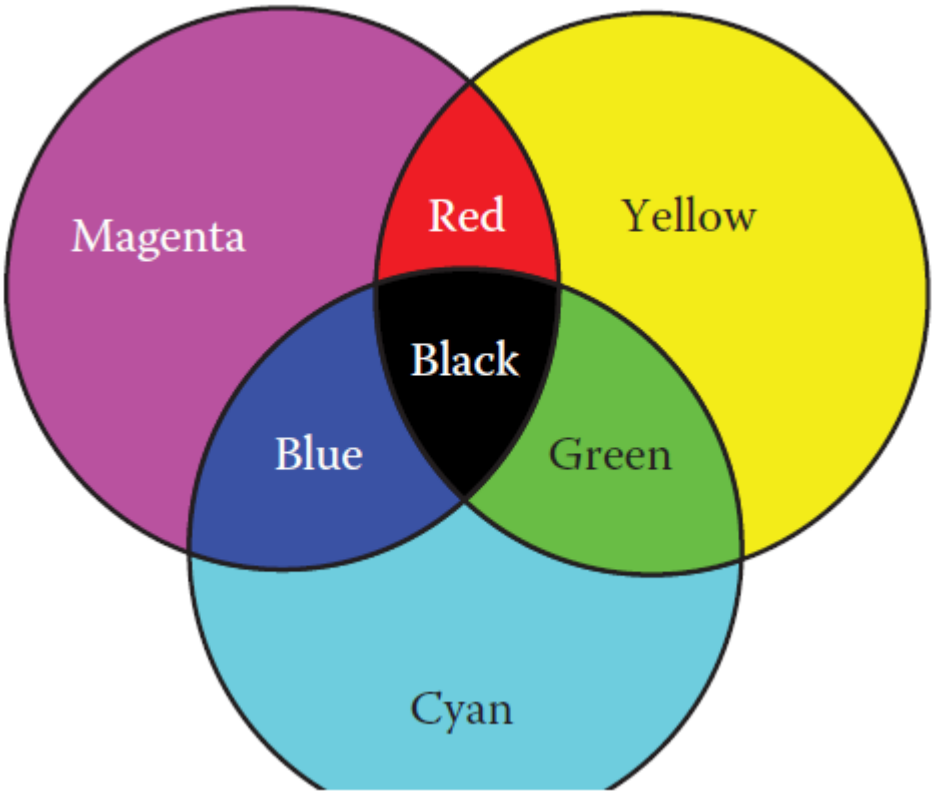
6. Human eyes are very sensitive to * 2 points

- [ ] Brightness variations
- [x] Chromatic variations
- [ ] Both
- [ ] None of the above

7. Human eyes are capable of perceiving following wavelengths: * 2 points

- [x] 400 to 700 nm
- [ ] 800 to 900 nm
- [ ] 300 to 400 nm
- [ ] none of the above

8. Picture shows a process of color formation using * 2 points



- ○ Additive method
- ◉ Subtractive method
- ○ None of the above

9. Subtractive method is used in the following * 2 points

- ◉ in printed media (journals, books
- ○ in electronic display systems
- ○ in digital image processing systems
- ○ none of the above

10. Which is the most outstanding colour composite * 2 points

- [ ] RGB
- [x] Colour infrared
- [ ] NIR
- [ ] Magenta

11. Texture refers to * 2 points

- [ ] spatial heterogeneity of a given cover
- [ ] the roughness or smoothness of the tones in the image
- [ ] depends on the relation between the size of the objects in a particular cover and the resolution of the sensor
- [x] all the above

12. An object cannot be individually identified if the surface it occupies is less than * 2 points

- [ ] 0.1 square millimeter
- [x] 1 square millimeter
- [ ] 10 square millimeter
- [ ] 100 square millimeter

13. Texture criterion is very important in discriminating certain covers * 2 points

- ○ that are more homogeneous
- ○ that are more heterogeneous
- ◉ that show similar spectral behavior
- ○ none of the above

14. Spatial context refers to * 2 points

- ○ surface roughness
- ○ homogeneity of the surface
- ◉ The relative location of an object includes the vicinity of the object
- ○ none of the above

15. Following criterion refers to the associated familiar patterns of the cover: * 2 points

- ○ Spatial context
- ○ Size
- ◉ Shape
- ○ all of the above

16. Following criterion is considered as an added noise in the visual interpretation of the image: * 2 points

- ○ Shape
- ○ Texture
- ◉ Shadow
- ○ none of the above

17. An olive orchard being distinguished by its regular plantation patterns from a sparsely forested area. Which of the following criterion helps: * 2 points

- ○ Texture
- ○ Spatial context
- ○ Shadow
- ◉ Spatial pattern

18. Which of the following provides 3 dimensional view of the observed earth's cover? * 2 points

- ○ Aerial view
- ◉ Stereoscopic view
- ○ Shadow
- ○ Spatial pattern

19. Picture shows visual discrimination done using: * 2 points

- ○ Texture
- ○ Stereoscopic vision
- ○ Spatial context
- ◉ Spatial pattern

20. Multiannual analysis is suitable for * 2 points

- ○ Urban growth
- ○ desertification
- ○ land erosion process
- ◉ all of the above

21. Which technique is suitable for the study of crop growth? * 2 points

- ( ) Multiannual analysis
- (•) Multiseasonal analysis
- ( ) Spatial pattern analysis
- ( ) Stereoscopic vision

22. Geometric differences between map and image position are caused by : * 2 points

- ( ) Earth's shape and rotation
- ( ) terrain characteristics
- ( ) cartographic projection
- (•) all the above

23. Following are complex spatial criteria: * 2 points

- ( ) Texture
- ( ) Shape
- ( ) Both first and second
- (•) none of the above

24. Multitemporal comparisons by visual analysis require * 2 points

- ○ Geometrical matching
- ○ Same spatial resolution
- ○ Same spectral resolution
- ◉ None of the above

25. The relevance of shapes in visual analysis depends on * 2 points

- ◉ Spatial resolution
- ○ Spectral resolution
- ○ Texture
- ○ Color composite