GEOLOGY
10113
Example third exam questions
1. As the density of a material decreases, the velocity of P waves?

a. Increases
b. Decreases
c. Remains the same
d. Drops to zero
2. The boundary between the inner and outer cores was found by ___________?

a. Galagnov  
b. Lehman  
c. Gutenberg  
d. Mohorovicic
3. In general, P waves that pass through the mantle....

a. Speed up

b. Slow down

c. Remain the same

d. Can’t tell
4. As waves of oscillation reach depths that are less than $\frac{1}{2}$ their wave length they...

a. Speed up
b. Slow down
c. Start to collapse
d. Become deformed
e. b and d
5. As waves approach a shoreline ________
    causes them to become parallel to the shore.

a. induction
b. reflection
c. refraction
d. longshore current
6. _____ are usually built in pairs to develop and maintain harbors and extend out into the ocean or lake.

a. jetties
b. breakwaters
c. seawalls
d. groins
7. Which of the following is out of place?

a. anticline
b. syncline
c. thrust fault
d. reverse fault
e. normal fault
8. What structure is indicated by the map symbols below?

a. horizontal anticline
b. plunging anticline
c. horizontal syncline
d. plunging syncline
e. monocline
9. IN A NORMAL FAULT THE ____ WALL IS ABOVE YOUR HEAD.

a. foot wall
b. hanging wall
c. sag wall
d. thrust wall
10. On a seismograph the last waves to appear at a station are ___________.

a. surface waves  
b. S waves  
c. P waves  
d. Q waves
11. To precisely locate an earthquake on the surface of the earth _______ seismograph stations are needed.

a. 1
b. 2
c. 3
d. 4
e. can’t tell
12. Alfred Wegener proposed....

a. polar wandering
b. plate tectonics
c. continental drift
d. sea-floor spreading
13. Which line of evidence below was not used to support Continental Drift?

a. fit of the continents
b. distribution of fossils
c. similar rock types and structures
d. magnetic sea-floor stripes
e. paleoclimatic evidence
14. The dip of the magnetic field into the earth is called the...

a. inclination
b. declination
c. competence
d. magnetization
15. Volcanic Island Arcs are associated with...

a. strike-slip boundaries
b. continent-continent collisions
c. ocean-continent collisions
d. ocean-ocean collisions
e. divergent boundaries
16. At a triple junction....

a. the crust sinks and a structural basin is formed.

b. three fractures form that are 100° apart.

c. two fractures join to form a narrow new ocean and while the 3rd one 'fails'.
17. Transform faults are found in association with....

a. continent-continent collision boundaries
b. ocean-continent collision boundaries
c. ocean-ocean collision boundaries
d. divergent boundaries
18. **The Hawaiian islands are an example of a...**

a. volcanic island arc  
b. collisional island arc  
c. backarc basin  
d. hot spot  
e. mantle hernia
19. Active continental margins have.....

a. wide continental shelves
b. narrow continental shelves
c. normal faults
d. extinct mountain chains
20. The Cascade Mountain range in Oregon, Washington and northern California is a..

a. folded mountain chain
b. block fault chain
c. volcanic island arc
d. volcanic arc
Answers

- 1-b
- 2-b
- 3-a
- 4-e
- 5-c
- 6-a
- 7-e
- 8-b
- 9-b
- 10-a
- 11-c
- 12-c
- 13-d
- 14-a
- 15-d
- 16-c
- 17-d
- 18-d
- 19-a
- 20-d