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***** EXAMINATION *****

**SALT MARSH RECOVERY AFTER IN-SITU BURNING FOR OIL SPILL
REMEDICATION: EFFECTS OF WATER DEPTH AND BURN DURATION**

1. **An area of land whose soil is saturated with moisture either**
 - a) permanently or seasonally is a wetland
 - b) permanently or seasonally is a marshland
 - c) permanently or seasonally is a grassland
 - d) permanently or seasonally is a desert

2. **The release or leakage of petroleum from an oil vessel is**
 - a) an oil rig
 - b) an oil spill
 - c) an oil drill
 - d) an oil exploration

3. **A grass and the part of the soil held together**
 - a) by the roots is the cob
 - b) by the roots is a divot
 - c) by the roots is a sod
 - d) by the roots is the peat

4. **The perennial deciduous grass which is found in intertidal**
 - a) wetlands is spartina patens
 - b) wetlands is stenocarpus sinuatus
 - c) wetlands is striga asiatica
 - d) wetlands is spartina alterniflora

5. **A grass usually found in high marsh zones where it is**
 - a) covered at times by high tide is spartina patens
 - b) covered at times by high tide is stenocarpus sinuatus
 - c) covered at times by high tide is striga asiatica
 - d) covered at times by high tide is spartina alterniflora

6. **A term used to denote a large family of several chemical**
 - a) compounds from crude oil is total acid number
 - b) compounds from crude oil is total petroleum hydrocarbon
 - c) compounds from crude oil is total inorganic carbon
 - d) compounds from crude oil is total boron

7. **The transfer of gases between an organism and its environment**
- a) is a gas diffusion
 - b) is a photon diffusion
 - c) is a gas exchange
 - d) is a gas burning
8. **Plant regrowth was assessed by measuring**
- a) plant survival rate
 - b) live plant stem density during the experiment
 - c) live above-ground biomass at termination of the experiment
 - d) All of the above
9. **Formed in small amounts during the burning or distillation of**
- a) coal, crude oil and plant material is perylene
 - b) coal, crude oil and plant material is dibenzothiophene
 - c) coal, crude oil and plant material is pyrene
 - d) coal, crude oil and plant material is chrysene
10. **A polycyclic aromatic hydrocarbon used as a fluorescent lipid**
- a) probe is perylene
 - b) probe is dibenzothiophene
 - c) probe is pyrene
 - d) probe is chrysene
11. **The PAH consisting of four fused benzene rings is**
- a) perylene
 - b) dibenzothiophene
 - c) pyrene
 - d) chrysene
12. **The organic compound consisting of two benzene rings to a**
- a) central thiophene ring is perylene
 - b) central thiophene ring is dibenzothiophene
 - c) central thiophene ring is pyrene
 - d) central thiophene ring is chrysene
13. **A characteristically horizontal stem of a plant that is**
- a) usually found underground is loment
 - b) usually found underground is ostiole
 - c) usually found underground is rhizome
 - d) usually found underground is stoma
14. **The chemical compound consisting of fused aromatic rings and**
- a) contains no heteroatom is platonic hydrocarbon
 - b) contains no heteroatom is unburned hydrocarbon
 - c) contains no heteroatom is alicyclic hydrocarbon
 - d) contains no heteroatom is polycyclic aromatic hydrocarbon

15. **The process that converts carbon dioxide into organic compounds**
- a) is photosynthesis
 - b) is chemosynthesis
 - c) is degranulation
 - d) is imbibition
16. **A natural saturated terpenoid alkane obtained from shark**
- a) liver oil is farnesene
 - b) liver oil is pristane
 - c) liver oil is quassin
 - d) liver oil is camphene
17. **Decahydronaphthalene is a bicyclic organic compound**
- a) also known as dodecane
 - b) also known as iceane
 - c) also known as decalin
 - d) also known as durene
18. **Traditionally the primary ingredient of mothballs is**
- a) tetraphenylene
 - b) anthanthrene
 - c) triphenylene
 - d) naphthalene
19. **Oil that occurs naturally in sedimentary rocks and consist**
- a) mainly of hydrocarbons is petroleum
 - b) mainly of hydrocarbons is naphthenic oil
 - c) mainly of hydrocarbons is valve oil
 - d) mainly of hydrocarbons is tramp oil
20. **A thick oily fuel that is obtained from the distillation of**
- a) petroleum is kerosene
 - b) petroleum is gasoline
 - c) petroleum is cadalene
 - d) petroleum is diesel fuel

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