**AS F212** questions by topic. Questions in ( ) are investigation/maths questions related to topic

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Module/Topic | June 09 | Jan 10 | June 10 | Jan 11 | June 11 | Jan 12 | June 12 | Jan 13 | June 13 |
| 1. |  |  |  |  |  |  |  |  |  |
| Biochem & metab |  |  |  | 2aii,iii |  |  |  |  |  |
| Monomers/polym |  |  |  |  |  |  |  |  |  |
| Simple sugars |  |  |  |  | 3a,c |  |  | 6a,b, |  |
| Starch/glycogen | 3a | 4ci |  |  | 3b,d |  | 4a | 6d |  |
| Cellulose |  |  |  |  | 3d |  |  |  |  |
| Amino acids |  | 4ai |  |  | 3a | 1ai |  |  | 1a |
| Primary structure |  | 4aii | 4c | 1bi | 3aii | 1aii,iii | 1ci |  |  |
| 2o,3o structure |  | 4b | 4d |  | 3aii | 1bii |  |  |  |
| 4o, Hb & collagen |  | 4ci,ii |  | 7a,b |  |  |  |  | 1b,c |
| Lip’s,triglycerides |  |  | 1aiii,b |  | 3a |  |  | 4b,c |  |
| Pho’lips, cholest’l |  |  |  |  |  | 3a,bi,ii |  |  |  |
| Water |  | 2a,b,c |  |  |  | 1bi |  |  |  |
| Chemical tests | 3d |  | 1ai,ii | 2ai,b |  |  | 4d | 4d |  |
| Nucleotides |  |  |  |  | 7a |  |  | 6c | 5a |
| DNA, semicon rep | 1a,b | 6a,b |  |  | 7b | 1bii |  |  | 5b,c,(d) |
| Genes,DNA,RNA | 1c,d | 6c | 4a | 1bi,ii,5a |  |  | 1cii | 2bii | 5a |
| Enzymes |  |  |  |  | 2a |  | 5biii | 3a | 2a |
| Enzymes action | 3b | 3ai |  |  | 2b |  | 1a,4b |  | 2bi |
| Enzymes & temp |  |  |  |  | 2c |  |  |  |  |
| Enzymes & pH | 3ci |  |  |  |  |  |  |  |  |
| Enzymes & conc |  | 3bi |  |  |  |  |  |  |  |
| Inhibitors |  | 3aii,bii | 4b |  | 4bii |  |  |  | 2bii |
| Coenz & co fac |  |  |  | 2c |  |  |  | 3c |  |
| Poisons & drugs |  |  |  |  |  |  |  |  |  |
| Enzyme investig’s | 3cii |  |  |  | 2b,c |  | 1b,(4c) | 3b |  |
| 2. |  |  |  |  |  |  |  |  |  |
| Balanced diet |  | 1a,b,c,d |  | 4a |  |  |  | 4a |  |
| Diet & CHD |  | 5ai,ii,b,c | 1c |  |  | 3biii,ci |  |  |  |
| Improv food prod | 5bii |  |  | 6aiii,iv,b | 1a,b |  | 6a,bi,ii |  | 7a,b |
| Microorgs & food |  |  | 3a,b,c |  |  |  |  | 7a,b,c |  |
| Disease orgs |  |  |  | 4c |  |  |  | 2a |  |
| Malaria/AIDS/TB | 2a |  |  | 1a,1ci |  | 2c |  |  | 3b,c |
| Prim/Sec defence |  |  | 5aii | 4b |  |  |  |  | 3a |
| Antibodies |  |  | 5bii |  |  | 7b,c |  | 2bi,iii |  |
| T/B lymphocytes | 2b |  | 5bi | 1cii | 4aiv | 7a |  |  |  |
| Vaccination | 2c,d |  | 5biii |  | 4ai,ii,iii |  |  | 2c |  |
| New drugs |  | 3e |  |  | 4c |  |  |  |  |
| Effects of smok’g | 6a,(b) |  | 5ai |  | 5b,c |  | 5b |  |  |
| Nicotine and CO |  | 5aiii |  |  |  |  |  |  |  |
| Cardiovas disease |  |  |  |  |  | 3cii |  |  |  |
| Smok-diseas evid |  |  |  |  | 5a |  | 5a |  |  |
| 3. |  |  |  |  |  |  |  |  |  |
| Biodiversity defs |  | 7a |  | 6av |  |  | 7 | 5c | 6a,b |
| Sampling plants |  | 7b,c |  |  |  |  | 7 |  | 4b |
| Sampling animals |  |  | 6bi | 3bii |  | 2ciii |  |  |  |
| Measuring Biodiv |  | 7d | 6bii,iii | 3a,bi,iii |  |  |  |  | 4a,b |
| Taxonomy |  |  | 2a,bi | 5b,c |  | 4a,biii | 3b |  | 8a |
| 5 Kingdoms | 5a |  | 2c |  | 6a | 2a,4bi | 2a,b | 1cii |  |
| Classif’n systems |  |  | 2bii,6cii |  |  | 2b, | 2c |  | 8b,(c) |
| keys |  |  | 6ci |  |  |  |  | 1a |  |
| 3 Domains |  |  | 2c |  |  | 4bii | 2c | 1ci |  |
| Variation | 5bi |  |  | 6ai,ii |  | 4c | 3c | 8 |  |
| Adaptation |  |  |  |  |  |  |  | 1b,8 |  |
| Natural Selection | 5c | 3c |  | 6bii | 1c | 6a,b,c | 3a | 8 |  |
| Evidence for Evol |  |  |  |  | 6b | 4d,6c |  |  |  |
| Evolution today |  | 3d |  |  |  | 2cii,6b |  |  |  |
| Conservation | 4a,c,d |  |  |  | 8a | 5(a),b | 1d,6biii | 5a,b |  |
| Climate change |  |  |  |  |  |  |  |  |  |
| Conserv’n in situ |  |  |  | 5d |  | 5c |  |  |  |
| Conserv’n ex situ | 4b |  |  |  | 8c |  |  |  |  |
| Internation’l coop |  |  | 6a |  | 8b,c |  |  | 5b,d | 6c |
|  |  |  |  |  |  |  |  |  |  |