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|-----------------|--|--|--|----------------------|---------------------------|------------------------------|------------------------------|------------------------------|--------------------|--------|----|--|
| Pap | oer Id: 231539 |] | Roll 1 | No. | | | | | | | | |
| https://pharmad | cyindia.co.in/ (SI DIET. | B CM VIII) THEOR ARY SUPPLEMEN | PHARM Y EXAMINA NTS AND NUT | TIO FRA | N 20 CEU | 22-2 TIC | 3 ALS | | | | | |
| Tin | ie: 3 Hours | https://pharmacyindia.co.in/ | | | | | T | Total Marks: 75 | | | | |
| Not | te: 1. Attempt all Se | ctions. | CTION A | | | | | | | | | |
| 1. | Attempt <i>all</i> question | s in brief. | CHON A | | | | 1(|) x 2 | = 20 | | | |
| a. | What are Nutraceut | cals? | https://pharmacvindia.co.in/ | | | | | | | | | |
| b. | Write the uses of Ly | copene | | | | | | | | | | |
| с. | Define free radicals | Give example | | | | | | | | | | |
| d. | Give the example of | synthetic antioxid | ants. | | | | | | | | | |
| e. | Write the importance of MPO on food safety. https://pharmacyindia.co.in/ | | | | | | | | | | | |
| f. | Differentiate betwee | en prebiotics and pr | obiotics. | | | | | | | | | |
| g. | Mention the source | and uses of Flaxsee | eds. | | | | | | | | | |
| h. | List out the nutrace | iticals for child hea | lth. | | | | | | | | | |
| i. | Write the health ber | efits of Lycopene a | and Xanthophy | lls | | | | | | | | |
| j. | What are reactive of | xygen species? Giv | e examples. | | | | | | | | 1 | |
| https | ://pharmacyindia.co.i | n/ SE | CTION B htt | ps:// | pharr | nacy | india. | .co.in | / | | XV | |
| 2. | Attempt any <i>two</i> pa | rts of the following | <u>;</u> ; | | | | 2 | x 10 | = 20 | Ŷ | | |
| a. | Define public heal | th. Discuss the N | utraceuticals a | and | dieta | ary s | upple | ement | s us | ed in | l | |
| | maternal and child n | nutrition | https://pharma | acyin | dia.c | o.in/ | | 1 | • | | | |
| b. | Classify phytoestrog | gen. Write their cha | racteristic feat | ures | and | occui | rrenc | е. | | | | |
| с. | Describe the free radical-induced pathogenesis of atherosclerosis and ischemic | | | | | | | | | | | |
| | reperfusion injury. | https://pharm SE | acyindia.co.in/ CTION C | 0 | | | | | | | | |
| 3. | Attempt any <i>five</i> pa | rts of the following | g: | | | | 7 | x 5 = | 35 | | | |
| a. | Mention the source, | Name of marker co | ompounds,their | r che | emica | al nat | ure, ı | uses, | and l | nealth | | |
| | benefits of Garlic. | https://pharma | acyindia.co.in/ | | | | | | | | | |
| b. | Classify polyphenolics and write about their occurrence and their biological properties. | | | | | | | | | | | |
| с. | Enumerate the role | of free radicals in th | ne pathogenesi | s of | Diab | etes 1 | nelli | tus. | | | | |
| d. | Discuss Pharmacopeial Specifications for dietary supplements and nutraceuticals | | | | | | | | | | | |
| e. | Discuss the free rad | icals mediated dam | age of carbohy | drat | es an | d nu | cleic | acid. | | | | |
| f. | What are functional foods? Write the sources, marker compounds, medicinal uses, and | | | | | | | | | | | |
| | health benefits of S | oirulina. | https://pharm | acyi | ndia. | co.in/ | / | | | | | |
| g. | What are antioxid | ants? Classify the | m; explain the | e bi | ologi | ical | role | of e | ndog | enous | | |
| | | | | | | | | | | | | |

enzymatic antioxidant. **(*)** pharmacyindia.co.in | **(*)** pharmacyindia24@gmail.com | **(*)** 8171313561, 8006781759 **Download PHARMACY INDIA App from Google Play Store**