

National Testing Agency

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Functional Foods and Nutraceuticals

Group Number :	1
Group Id :	89951489
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Functional Foods and Nutraceuticals

Section Id :	899514107
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100

Section Marks : 100
Mark As Answered Required? : Yes
Sub-Section Number : 1
Sub-Section Id : 899514129
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 8995147907 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____ coined the word nutraceuticals.

1. Dr. Sochi Arai
2. Dr. Stephen L. DeFelice
3. Hippocrates
4. Dr. Jeffrey K. Aronson

Options :

89951431258. 1
89951431259. 2
89951431260. 3
89951431261. 4

Question Number : 2 Question Id : 8995147908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The term functional food was born in _____.

1. India
2. Japan
3. Europe
4. United States of America

Options :

89951431262. 1
89951431263. 2
89951431264. 3
89951431265. 4

Question Number : 3 Question Id : 8995147909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Vitamin fortified milk and Calcium-fortified orange juice are examples of _____.

1. fortified foods
2. altered foods
3. enriched foods
4. modified foods

Options :

89951431266. 1

89951431267. 2

89951431268. 3

89951431269. 4

Question Number : 4 Question Id : 8995147910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

According to organ system, Probiotics are beneficial for _____.

1. Cardiovascular system
2. Gastrointestinal tract
3. Skeletal System
4. All of the above

Options :

89951431270. 1

89951431271. 2

89951431272. 3

89951431273. 4

Question Number : 5 Question Id : 8995147911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Cruciferous vegetable mostly cauliflower and broccoli contains bio active component_____.

1. glucosinolates
2. xylo-oligosaccharides
3. Beta-glucans
4. Phytosterols

Options :

- 89951431274. 1
- 89951431275. 2
- 89951431276. 3
- 89951431277. 4

Question Number : 6 Question Id : 8995147912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The bioactive compound of turmeric is_____.

- 1. apigenin
- 2. diosgenin
- 3. curcumin
- 4. allicin

Options :

- 89951431278. 1
- 89951431279. 2
- 89951431280. 3
- 89951431281. 4

Question Number : 7 Question Id : 8995147913 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Tea, cocoa, apples, grapes contains _____ in common.

- 1. Quercetin
- 2. Phytates
- 3. Sterols
- 4. Catechins

Options :

- 89951431282. 1
- 89951431283. 2
- 89951431284. 3
- 89951431285. 4

Question Number : 8 Question Id : 8995147914 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____are indigestible food ingredients that selectively promote the growth or activity of beneficial bacteria, thereby benefiting the host.

1. Prebiotics
2. Probiotics
3. Synbiotics
4. Abiotics

Options :

89951431286. 1
89951431287. 2
89951431288. 3
89951431289. 4

Question Number : 9 Question Id : 8995147915 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____are combinations of probiotics and prebiotics designed to improve the survival of ingested microorganisms and their colonization of the intestinal tract.

1. Symbiotics
2. Postbiotics
3. Synbiotics
4. Antibiotics

Options :

89951431290. 1
89951431291. 2
89951431292. 3
89951431293. 4

Question Number : 10 Question Id : 8995147916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Morphologically *Bifidobacterium* is_____.

1. cocci
2. coccobacilli
3. short rods
4. pleomorphic rods

Options :

89951431294. 1

89951431295. 2

89951431296. 3

89951431297. 4

Question Number : 11 Question Id : 8995147917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The cardinal temperature range for growth of *Lactobacillus* is_____

1. 5 ° to 15 ° C
2. 10 ° C to 30 ° C
3. 25 ° C to 50 ° C
4. Above 55 ° C

Options :

89951431298. 1

89951431299. 2

89951431300. 3

89951431301. 4

Question Number : 12 Question Id : 8995147918 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The optimum pH for the growth of *Bifidobacterium* is _____.

1. 3
2. 5
3. 7
4. 9

Options :

89951431302. 1
89951431303. 2
89951431304. 3
89951431305. 4

Question Number : 13 Question Id : 8995147919 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Probiotics contribute to the health of the host environment regulating microbes through

-
1. anti-pathogenic activity
 2. anti-inflammatory activity
 3. angiogenic activity
 4. all of the above

Options :

89951431306. 1
89951431307. 2
89951431308. 3
89951431309. 4

Question Number : 14 Question Id : 8995147920 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Lactobacillus casei increases mucosal immunity by increasing production of _____

1. Immunoglobulin D
2. Immunoglobulin A
3. Immunoglobulin M
4. Immunoglobulin E

Options :

89951431310. 1
89951431311. 2
89951431312. 3
89951431313. 4

Question Number : 15 Question Id : 8995147921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Probiotics exhibit anti-diabetic activity by_____.

1. preventing destruction of B cells
2. preventing destruction of T cells
3. preventing destruction of beta cells of islets of langerhans
4. preventing destruction of NK cells

Options :

89951431314. 1

89951431315. 2

89951431316. 3

89951431317. 4

Question Number : 16 Question Id : 8995147922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Misso, Natto and Temphe are fermented products of_____.

1. cabbage
2. Carrots and beet root
3. Soybean
4. Milk

Options :

89951431318. 1

89951431319. 2

89951431320. 3

89951431321. 4

Question Number : 17 Question Id : 8995147923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The selection criteria for lactic acid bacteria to be used as 'probiotics' must include its ability to _____.

1. exert a beneficial effect on the host
2. withstand into a foodstuff at high cell counts
3. remain viable throughout the shelf life of product
4. All of the above

Options :

89951431322. 1

89951431323. 2

89951431324. 3

89951431325. 4

Question Number : 18 Question Id : 8995147924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Adhesion of probiotics to the intestinal mucosa may prevent the probiotic cells being washed out and therefore enabling _____.

1. temporary colonization
2. immune modulation
3. competitive exclusions of pathogens
4. all of the above

Options :

89951431326. 1

89951431327. 2

89951431328. 3

89951431329. 4

Question Number : 19 Question Id : 8995147925 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The role of probiotic bacteria in dairy fermentation is to assist in_____.

1. the preservation of the milk
2. the production of flavour compounds
3. improving the nutritional and therapeutic value of food
4. all of the above

Options :

89951431330. 1

89951431331. 2

89951431332. 3

89951431333. 4

Question Number : 20 Question Id : 8995147926 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In order to provide health benefits to the host, probiotics should maintain minimum therapeutic level/minimum viability level _____ of carrier food product at the time of consumption.

1. 10^3 – 10^4 cfu/mL or g
2. 10^6 – 10^7 cfu/mL or g
3. 10^9 – 10^{11} cfu/mL or g
4. 10^{12} – 10^{15} cfu/mL or g

Options :

89951431334. 1

89951431335. 2

89951431336. 3

89951431337. 4

Question Number : 21 Question Id : 8995147927 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fructo-oligosaccharides (FOS) are also known as _____.

1. oligofructan
2. starch-oligosaccharides
3. lacto-oligosachharides
4. malto-oligosaccharide

Options :

89951431338. 1
89951431339. 2
89951431340. 3
89951431341. 4

Question Number : 22 Question Id : 8995147928 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The only known side effect of galacto-oligosaccharides intake is _____ that occur when consumed at higher dose.

1. Transient osmotic diarrhoea
2. vomiting
3. head ache
4. gastro esophageal reflux

Options :

89951431342. 1
89951431343. 2
89951431344. 3
89951431345. 4

Sub-Section Number :

2

Sub-Section Id :

899514130

Question Shuffling Allowed :

Yes

Question Number : 23 Question Id : 8995147929 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Lactosucrose is a trisaccharide oligosaccharide composed of _____.

1. glucose
2. fructose
3. galactose
4. Maltose

Options :

89951431346. 1
89951431347. 2
89951431348. 3
89951431349. 4

Sub-Section Number :

3

Sub-Section Id :

899514131

Question Shuffling Allowed :

Yes

Question Number : 24 Question Id : 8995147930 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is a water insoluble fibre.

1. Pectins
2. Gums
3. Mucilages
4. Cellulose

Options :

89951431350. 1
89951431351. 2
89951431352. 3
89951431353. 4

Question Number : 25 Question Id : 8995147931 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Lignin is present in _____

1. cereals and millets
2. fruits and vegetables
3. woody plants
4. all of the above

Options :

89951431354. 1

89951431355. 2

89951431356. 3

89951431357. 4

Question Number : 26 Question Id : 8995147932 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Polydextrose, psyllium and inulin has potential to treat _____.

1. cancer
2. diabetes
3. constipation
4. arthritis

Options :

89951431358. 1

89951431359. 2

89951431360. 3

89951431361. 4

Sub-Section Number :

4

Sub-Section Id :

899514132

Question Shuffling Allowed :

Yes

Question Number : 27 Question Id : 8995147933 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Resistant starch may aid weight management by_____.

1. increasing the energy density of the diet.
2. reducing the energy density of the diet.
3. increasing satiety
4. none of the above

Options :

89951431362. 1

89951431363. 2

89951431364. 3

89951431365. 4

Sub-Section Number :

5

Sub-Section Id :

899514133

Question Shuffling Allowed :

Yes

Question Number : 28 Question Id : 8995147934 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ are the starch granules physically enclosed within cell walls of plants and not accessible to digestive enzymes.

1. RS1
2. RS2
3. RS3
4. RS4

Options :

89951431366. 1

89951431367. 2

89951431368. 3

89951431369. 4

Question Number : 29 Question Id : 8995147935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is a natural gum produced by bacterial fermentation.

1. Gellan gum
2. Glucomannan
3. Tragacanth
4. Carrageenan

Options :

89951431370. 1

89951431371. 2

89951431372. 3

89951431373. 4

Question Number : 30 Question Id : 8995147936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Natural gum is _____ and can be part of any food preparation.

1. colourful
2. flavourful
3. tasteless and odorless
4. none of the above

Options :

89951431374. 1

89951431375. 2

89951431376. 3

89951431377. 4

Question Number : 31 Question Id : 8995147937 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The most bioavailable group of flavonoids are _____.

1. isoflavones
2. flavanols
3. flavonols
4. flavanones

Options :

89951431378. 1
89951431379. 2
89951431380. 3
89951431381. 4

Question Number : 32 Question Id : 8995147938 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which dietary flavonoid is stated to be associated to a reduction of chronic heart disease or stroke in elderly men?

1. Anthocyanins
2. Diadzein
3. Quercetin
4. Glycetein

Options :

89951431382. 1
89951431383. 2
89951431384. 3
89951431385. 4

Question Number : 33 Question Id : 8995147939 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flavonols promote gut health by promoting growth of _____.

1. *Escherichia coli*
2. *Lactobacillus* and *Bifidobacterium* species
3. *Helicobacter pylori*
4. *Clostridium* species

Options :

89951431386. 1
89951431387. 2
89951431388. 3
89951431389. 4

Sub-Section Number :

Sub-Section Id :

899514134

Question Shuffling Allowed :

Yes

Question Number : 34 Question Id : 8995147940 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Tannins are responsible for food attributes such as _____.

1. astringency
2. colour formation
3. bitterness and aroma
4. pungency

Options :

89951431390. 1

89951431391. 2

89951431392. 3

89951431393. 4

Question Number : 35 Question Id : 8995147941 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Tannin is a polyphenolic compound that binds to and precipitates_____.

1. proteins
2. amino acids
3. alkaloids
4. none of the above

Options :

89951431394. 1

89951431395. 2

89951431396. 3

89951431397. 4

Sub-Section Number :

7

Sub-Section Id :

899514135

Question Shuffling Allowed :

Yes

Question Number : 36 Question Id : 8995147942 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Catechins exert _____ activity by inhibiting the α -amylase and α -glucosidase activity.

1. anti-diabetic
2. anti-inflammatory
3. anticancer
4. all of the above

Options :

89951431398. 1

89951431399. 2

89951431400. 3

89951431401. 4

Question Number : 37 Question Id : 8995147943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The flavonoids possessing phytoestrogen activity are_____.

1. flavones
2. catechins
3. isoflavones
4. anthocyanidins

Options :

89951431402. 1

89951431403. 2

89951431404. 3

89951431405. 4

Question Number : 38 Question Id : 8995147944 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Isoflavones are primarily found in legumes as_____.

1. glycosides
2. phosphates
3. esters
4. free form

Options :

89951431406. 1
89951431407. 2
89951431408. 3
89951431409. 4

Question Number : 39 Question Id : 8995147945 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Phytoestrogens have a protective role in prevention of cancer because they
_____.

1. decrease circulating levels of unconjugated sex hormones.
2. increase circulating levels of conjugated sex hormones.
3. reduce the level of endogenous estrogens
4. increase circulating levels of progesterone

Options :

89951431410. 1
89951431411. 2
89951431412. 3
89951431413. 4

Question Number : 40 Question Id : 8995147946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Plant sterols differ from _____ due to the presence of a methyl or ethyl group in the side chain.

1. cholesterol
2. stanols
3. resveratrol
4. eugenol

Options :

89951431414. 1
89951431415. 2
89951431416. 3
89951431417. 4

Question Number : 41 Question Id : 8995147947 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Phytosterolemia is a _____ disease in which serum phytosterol is high.

1. communicable
2. non-communicable
3. lifestyle
4. hereditary

Options :

89951431418. 1
89951431419. 2
89951431420. 3
89951431421. 4

Question Number : 42 Question Id : 8995147948 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____are bitter sulphur glycosides found especially in cruciferous plants.

1. Organosulphur Compounds
2. Glucosinolates
3. Phytates
4. Phytosterol

Options :

89951431422. 1
89951431423. 2
89951431424. 3
89951431425. 4

Question Number : 43 Question Id : 8995147949 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The enzyme which hydrolyses glucosinolate is called as _____.

1. myrosinase
2. amylase
3. protease
4. lipase

Options :

89951431426. 1
89951431427. 2
89951431428. 3
89951431429. 4

Question Number : 44 Question Id : 8995147950 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Sulphoraphane is a natural _____found in Brassica vegetables.

1. isothiocyanate
2. thiocyanate
3. myrosinase
4. epithiitriles

Options :

- 89951431430. 1
- 89951431431. 2
- 89951431432. 3
- 89951431433. 4

Question Number : 45 Question Id : 8995147951 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Good sources of dietary _____ include yellow corn, orange pepper, orange juice, honeydew (melon) and mango.

- 1. β -cryptoxanthin
- 2. lycopene
- 3. zeaxanthin
- 4. α - and β -carotene

Options :

- 89951431434. 1
- 89951431435. 2
- 89951431436. 3
- 89951431437. 4

Question Number : 46 Question Id : 8995147952 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

α -Carotene, β -carotene and β -cryptoxanthin are _____

- 1. provitamin A carotenoids
- 2. non provitamin A carotenoids
- 3. vitamin A
- 4. pro vitamin D

Options :

- 89951431438. 1
- 89951431439. 2
- 89951431440. 3
- 89951431441. 4

Question Number : 47 Question Id : 8995147953 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The example of xanthophylls is _____.

1. lutein
2. α Carotene
3. β Carotene
4. lycopene

Options :

89951431442. 1
89951431443. 2
89951431444. 3
89951431445. 4

Question Number : 48 Question Id : 8995147954 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

_____ are a major source of lycopene in the diet.

1. Tomatoes and tomato products
2. Watermelon
3. Pink grapefruit
4. Pink guava

Options :

89951431446. 1
89951431447. 2
89951431448. 3
89951431449. 4

Question Number : 49 Question Id : 8995147955 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Lycopene is a lipid-soluble compound, consuming it with fat _____ its bioavailability.

1. increases
2. decreases
3. neither increases nor decreases
4. none of the above

Options :

89951431450. 1

89951431451. 2

89951431452. 3

89951431453. 4

Question Number : 50 Question Id : 8995147956 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is present in black pepper which may increase the bioavailability of curcumin.

1. Gingerol
2. Eugenol
3. Piperine
4. All of the above

Options :

89951431454. 1

89951431455. 2

89951431456. 3

89951431457. 4

Question Number : 51 Question Id : 8995147957 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The _____ of the *Curcuma longa* herb is the source of turmeric.

1. leaves
2. rhizome
3. stems
4. whole plant

Options :

89951431458. 1

89951431459. 2

89951431460. 3

89951431461. 4

Question Number : 52 Question Id : 8995147958 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Curcumin loss from heat processing of turmeric is maximum in _____.

1. frying
2. pressure cooking
3. microwaving
4. boiling

Options :

89951431462. 1

89951431463. 2

89951431464. 3

89951431465. 4

Question Number : 53 Question Id : 8995147959 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Injury to the garlic bulb activates the enzyme _____, which metabolizes alliin to allicin.

1. alanine synthetase
2. allicinase
3. allinase
4. aconitase

Options :

89951431466. 1

89951431467. 2

89951431468. 3

89951431469. 4

Question Number : 54 Question Id : 8995147960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The phytate content in legume seeds can be lowered by _____

1. germination
2. fermentation
3. boiling
4. frying

Options :

89951431470. 1

89951431471. 2

89951431472. 3

89951431473. 4

Question Number : 55 Question Id : 8995147961 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____are substances interfering with the absorption or metabolic utilization of minerals.

1. Type A Anti-nutritional Factors
2. Type B Anti-nutritional Factors
3. Type C Anti-nutritional Factors
4. Type D Anti-nutritional Factors

Options :

89951431474. 1

89951431475. 2

89951431476. 3

89951431477. 4

Question Number : 56 Question Id : 8995147962 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____are antagonists of thiamin and the other B-complex vitamins.

1. Alcoholic beverages
2. Fruit juices
3. Vegetable soups
4. All of the above

Options :

- 89951431478. 1
- 89951431479. 2
- 89951431480. 3
- 89951431481. 4

Question Number : 57 Question Id : 8995147963 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Phosphorous in phytate form is not bio-available to non-ruminant animals due to a lack of digestive enzyme _____.

- 1. trypsin
- 2. phytase
- 3. lactase
- 4. lipase

Options :

- 89951431482. 1
- 89951431483. 2
- 89951431484. 3
- 89951431485. 4

Question Number : 58 Question Id : 8995147964 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

At pH values between 5 and 7 which are similar to those in the _____, phytic acid binds and forms insoluble chelates with divalent cations.

- 1. stomach
- 2. oral cavity
- 3. large intestine
- 4. duodenum

Options :

- 89951431486. 1
- 89951431487. 2
- 89951431488. 3
- 89951431489. 4

Question Number : 59 Question Id : 8995147965 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ binding by phytic acid can insolubilize the minerals and may be useful in the development of dental enamels.

1. Calcium and zinc
2. Calcium and phosphorus
3. Calcium and fluoride
4. Calcium and magnesium

Options :

89951431490. 1
89951431491. 2
89951431492. 3
89951431493. 4

Question Number : 60 Question Id : 8995147966 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ inhibition occurs when the substrate and a substance resembling the substrate are both added to the enzyme system.

1. Non substrate
2. Non-competitive
3. Substrate
4. Competitive

Options :

89951431494. 1
89951431495. 2
89951431496. 3
89951431497. 4

Question Number : 61 Question Id : 8995147967 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Digestion of proteins in digestive tract is carried out by _____

1. ptyalin
2. nucleosidase
3. lipase
4. peptidase

Options :

89951431498. 1
89951431499. 2
89951431500. 3
89951431501. 4

Sub-Section Number :

8

Sub-Section Id :

899514136

Question Shuffling Allowed :

Yes

**Question Number : 62 Question Id : 8995147968 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

Soyabean contains _____ inhibitors.

1. trypsin
2. chymotrypsin
3. pepsin
4. chymopapain

Options :

89951431502. 1
89951431503. 2
89951431504. 3
89951431505. 4

**Question Number : 63 Question Id : 8995147969 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

Proteolytic enzymes are also known as _____.

1. protease
2. nucleosidase
3. proteinase
4. peptidase

Options :

89951431506. 1
89951431507. 2
89951431508. 3
89951431509. 4

Sub-Section Number :

9

Sub-Section Id :

899514137

Question Shuffling Allowed :

Yes

**Question Number : 64 Question Id : 8995147970 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

The maximum reduction of protease inhibitor activity can be brought about by _____

1. freezing
2. dry heat
3. moist heat
4. none of the above

Options :

89951431510. 1
89951431511. 2
89951431512. 3
89951431513. 4

**Question Number : 65 Question Id : 8995147971 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0**

End product of Beta amylase action is _____.

1. dextrin
2. glucose
3. maltose
4. resistant starch

Options :

89951431514. 1
89951431515. 2
89951431516. 3
89951431517. 4

Question Number : 66 Question Id : 8995147972 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Amylase inhibitors show _____.

1. increase in the fasting blood glucose
2. decrease in post meal blood glucose
3. increase in insulin secretion
4. decrease of blood maltose

Options :

89951431518. 1
89951431519. 2
89951431520. 3
89951431521. 4

Question Number : 67 Question Id : 8995147973 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following foods does not contain amylase inhibitor?

1. Leguminous seeds
2. Sorghum
3. Amaranth seeds
4. Cheese

Options :

- 89951431522. 1
- 89951431523. 2
- 89951431524. 3
- 89951431525. 4

Question Number : 68 Question Id : 8995147974 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Saponins are a group of compounds characterized by their structure containing a lipid soluble _____ and a water soluble glycoside moiety.

- 1. aglycone
- 2. glucose
- 3. arabinose
- 4. glycone

Options :

- 89951431526. 1
- 89951431527. 2
- 89951431528. 3
- 89951431529. 4

Question Number : 69 Question Id : 8995147975 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Most hemagglutinins of higher plants are found in _____.

- 1. leaves
- 2. seeds
- 3. fruit
- 4. stem

Options :

- 89951431530. 1
- 89951431531. 2
- 89951431532. 3

89951431533. 4

Question Number : 70 Question Id : 8995147976 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

An antioxidant is a compound that can donate an electron or a _____ atom to a free radical.

1. hydrogen
2. carbon
3. nitrogen
4. all of the above

Options :

89951431534. 1
89951431535. 2
89951431536. 3
89951431537. 4

Question Number : 71 Question Id : 8995147977 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ has antithrombotic, anti-coagulant and immunomodulatory activity.

1. Garlic
2. Ginger
3. Onion
4. Potato

Options :

89951431538. 1
89951431539. 2
89951431540. 3
89951431541. 4

Sub-Section Number :

10

Sub-Section Id :

899514138

Question Shuffling Allowed :

Yes

Question Number : 72 Question Id : 8995147978 Question Type : MSQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Bioactive compounds act as _____

1. inducers and inhibitors of enzymes
2. inhibitors of receptor activity
3. inducers and inhibitors of gene expression
4. None of the above

Options :

89951431542. 1

89951431543. 2

89951431544. 3

89951431545. 4

Sub-Section Number :

11

Sub-Section Id :

899514139

Question Shuffling Allowed :

Yes

Question Number : 73 Question Id : 8995147979 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

Resveratrol is a _____ polyphenol, possessing two phenol rings linked to each other
by an ethylene bridge.

1. kaempferol
2. catechins
3. quercetin
4. stilbenoid

Options :

89951431546. 1

89951431547. 2

89951431548. 3

89951431549. 4

Question Number : 74 Question Id : 8995147980 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ conjugates are the major forms of resveratrol metabolites found in plasma and urine in humans.

1. Phosphate
2. Sulphate
3. Nitrate
4. Chlorides

Options :

89951431550. 1
89951431551. 2
89951431552. 3
89951431553. 4

Question Number : 75 Question Id : 8995147981 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Boiling of food leads to reduction of quercetin due to thermal degradation and _____ action of boiling water.

1. leaching
2. oxidation
3. blanching
4. none of above

Options :

89951431554. 1
89951431555. 2
89951431556. 3
89951431557. 4

Question Number : 76 Question Id : 8995147982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Kaempferol is a natural flavanol found in many fruits and vegetables including tomatoes and

_____.

1. ginkgo biloba leaves
2. broccoli
3. tea
4. all of the above.

Options :

89951431558. 1

89951431559. 2

89951431560. 3

89951431561. 4

Question Number : 77 Question Id : 8995147983 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Cinnamon is obtained from _____.

1. bark
2. leaves
3. roots
4. seeds

Options :

89951431562. 1

89951431563. 2

89951431564. 3

89951431565. 4

Question Number : 78 Question Id : 8995147984 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Chemically crocin is a _____.

1. curcumenoid
2. flavonoid
3. carotenoid
4. capsaicinoid

Options :

89951431566. 1
89951431567. 2
89951431568. 3
89951431569. 4

Question Number : 79 Question Id : 8995147985 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Luteolin is found in plant materials, often in the form of _____.

1. glycosides
2. aglycone
3. acyl
4. none of the above

Options :

89951431570. 1
89951431571. 2
89951431572. 3
89951431573. 4

Question Number : 80 Question Id : 8995147986 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Piperine is effective at combating free radical damage or _____ in and around the cells.

1. inflammation
2. agglutination
3. oxidative stress
4. antitumor activity

Options :

89951431574. 1
89951431575. 2
89951431576. 3
89951431577. 4

Question Number : 81 Question Id : 8995147987 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Capsaicin is an active component of _____.

1. black pepper
2. garlic
3. chilli peppers
4. ginger

Options :

89951431578. 1
89951431579. 2
89951431580. 3
89951431581. 4

Question Number : 82 Question Id : 8995147988 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Among the phenolic compounds present in fresh ginger, _____ is found in higher quantity than others.

1. paradols
2. Gingerol
3. shogaol
4. none of the above

Options :

89951431582. 1
89951431583. 2
89951431584. 3
89951431585. 4

Question Number : 83 Question Id : 8995147989 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Clove oil contains the compound _____ which has been used in dentistry since ancient times.

1. gingerol
2. eugenol
3. phytosterol
4. all of the above

Options :

89951431586. 1
89951431587. 2
89951431588. 3
89951431589. 4

Question Number : 84 Question Id : 8995147990 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The analgesic effect of clove is due to the action as _____ agonist.

1. diosgenin
2. capsaicin
3. piperine
4. none of the above

Options :

89951431590. 1
89951431591. 2
89951431592. 3
89951431593. 4

Question Number : 85 Question Id : 8995147991 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Thymoquinone protects liver from injury via elevation in _____ level.

1. insulin
2. glutathione
3. progesterone
4. calcitonin

Options :

89951431594. 1
89951431595. 2
89951431596. 3
89951431597. 4

Question Number : 86 Question Id : 8995147992 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Too much exposure to apigenin can lead to _____ damage.

1. lungs
2. liver
3. brain
4. pancreas

Options :

89951431598. 1
89951431599. 2
89951431600. 3
89951431601. 4

Question Number : 87 Question Id : 8995147993 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Rosmarinic acid is effective in aiding memory as a possible treatment for_____.

1. Alzheimer's disease
2. cancer
3. diabetes
4. cardio vascular disease

Options :

89951431602. 1
89951431603. 2
89951431604. 3
89951431605. 4

Question Number : 88 Question Id : 8995147994 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Diosgenin is a precursor of synthetic_____ used in pharmaceutical industries.

1. steroidal drugs
2. insulin
3. thyroxine
4. all of the above

Options :

89951431606. 1
89951431607. 2
89951431608. 3
89951431609. 4

Question Number : 89 Question Id : 8995147995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fenugreek seeds are rich in_____ and other dietary essentials, its use can be explored as a functional food, nutritional food and also as a therapeutic agent.

1. phenolic compounds
2. mucilaginous fibre
3. trigonalline alkaloid
4. all of the above

Options :

89951431610. 1
89951431611. 2
89951431612. 3
89951431613. 4

Question Number : 90 Question Id : 8995147996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Omega-3 dietary supplements in excess may interfere with drugs like _____ medication

1. anti-histamine
2. anti-coagulating
3. anti-emetic
4. none the above

Options :

89951431614. 1
89951431615. 2
89951431616. 3
89951431617. 4

Question Number : 91 Question Id : 8995147997 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ destroys the fatty acid composition of Omega-3 fats.

1. Heating
2. Refrigeration
3. Reheating
4. Overheating

Options :

89951431618. 1
89951431619. 2
89951431620. 3
89951431621. 4

Question Number : 92 Question Id : 8995147998 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is a precursor of Conjugated linoleic acid which is naturally produced during bacterial fermentation in ruminant animals.

1. Butyric acid
2. Lipoic acid
3. Alpha linolenic acid
4. Trans vaccenic acid

Options :

89951431622. 1

89951431623. 2

89951431624. 3

89951431625. 4

Question Number : 93 Question Id : 8995147999 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ animals and their products are higher in terms of conjugated linoleic acid content.

1. Grass fed
2. Animal fed
3. Grains or other types of fodder fed
4. All of the above

Options :

89951431626. 1

89951431627. 2

89951431628. 3

89951431629. 4

Question Number : 94 Question Id : 8995148000 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Large doses of supplemental Conjugated linoleic acid can cause _____.

1. vision loss
2. cancer
3. fatty liver
4. arthritis

Options :

89951431630. 1

89951431631. 2

89951431632. 3

89951431633. 4

Question Number : 95 Question Id : 8995148001 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The metabolic response to the ingestion of food has been referred to as -----

1. thermic effect of food
2. specific dynamic action
3. diet induced thermogenesis
4. all of the above

Options :

89951431634. 1

89951431635. 2

89951431636. 3

89951431637. 4

Question Number : 96 Question Id : 8995148002 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A large number of food peptides have already been validated for their anti-inflammatory and _____ properties.

1. functional
2. anti-oxidant
3. anti depressant
4. anti coagulant

Options :

89951431638. 1
89951431639. 2
89951431640. 3
89951431641. 4

Question Number : 97 Question Id : 8995148003 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The continuing attack of DNA by unquenched _____ is believed to cause cancer.

1. RNA
2. ROS
3. AMD
4. LDL

Options :

89951431642. 1
89951431643. 2
89951431644. 3
89951431645. 4

Question Number : 98 Question Id : 8995148004 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____preserves normal irritability of muscles, cell permeability, activates nerve and muscle function.

1. Calcium
2. Potassium
3. Sodium
4. Phosphorus

Options :

89951431646. 1

89951431647. 2

89951431648. 3

89951431649. 4

Question Number : 99 Question Id : 8995148005 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____modulates immune response and exhibits antioxidant and anti-inflammatory activity.

1. Zinc
2. Iron
3. Iodine
4. Copper

Options :

89951431650. 1

89951431651. 2

89951431652. 3

89951431653. 4

Question Number : 100 Question Id : 8995148006 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The mineral _____ has an improving effect on insulin binding and increases the number of insulin receptors on the cell surface.

1. Chromium
2. Calcium
3. Phosphorus
4. Iron

Options :

89951431654. 1

89951431655. 2

89951431656. 3

89951431657. 4