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D Y PATIL UNIVERSITY

End Term Examinations (December 2018)

School : School of Engineering

Program: B.Tech. Biotechnology (Food)

Course: Nutraceuticals and Functional Foods and Nutrigenomics

Course Code: BTE303

Semester: V

Max Marks: 20

Duration (mins) : 60

Note : Attempt all questions. Each carry one mark.

Q1. All of the following are nutrients found in food except?

- a) plasma
- b) proteins
- c) carbohydrate
- d) vitamins

Q2. A diet high in saturated fats can be linked to which of the following?

- a) kidney failure
- b) cardiovascular disease
- c) bulimia
- d) All of above

Q3. Which of these is NOT considered a nutrient?

- a) vitamins
- b) minerals
- c) fiber
- d) fats

Q4. Foods from the meat, poultry, fish dry beans, eggs and nuts group are an important source of?

- a) Iron
- b) calcium
- c) beta-carotene
- d) fibre

Q5. Omega-3 fatty acids are naturally high in salmon. Therefore, salmon can be classified as this type of food??

- a) A nutraceutical
- b) A functional food
- c) A dietary supplement
- d) A fortified food

Q6. Curcumin belongs to which phytochemical:

- a) Flavanoids
- b) Alkanoids
- c) fats
- d) carbohydrates

Q7. Which of the following is defined by Dr. DeFelice as food, or parts of food, that provide medical or health benefits, including the prevention and treatment of disease?

- a) nutraceutical
- b) functional food
- c) dietary enzymes
- d) pharmaceuticals

Q8. Which of these are phytochemicals of onion?

- a) Quercetin
- b) Kaempferol
- c) organo sulphur
- d) All of above

Q9. Which vitamine is crucial for glucose production, hormone modulation and neuro transmitter synthesis?

- a) Vitamine B1
- b) Vitamine B6
- c) Vitamine B12
- d) Vitamine C

Q10. Lycopene is?

- a) flavonoid
- b) carotenoid
- c) terpenes
- d) All of above

Q11. Garlic contains:

- a) allin
- b) allicin
- c) ajoene
- d) All of above

Q12. Nutrigenomics utilizes following tools?

- a) Record of nutrient intake
- b) genomic assay for gene variants
- c) Biomarkers for metabolites or hormones
- d) All of above

Q13. Citrus fruits prevents:

- a) Cancer
- b) cardiovascular diseases
- c) skin issues
- d) All of above

Q14. Which of these are vitamine E?

- a) Wheat
- b) sunflower
- c) soy bean
- d) All of above

Q15. Best effect of soy:

- a) ROS lowering
- b) cholesterol-lowering
- c) reducing proliferation
- d) All of above

Q16. Flaxseeds contain?

- a) Omega fatty acid
- b) A-linoleic acid
- c) All of above
- d) None of above

Q17. Phytochemicals present in Broccoli and other Cruciferous?

- a) Glucosinolates
- b) Organosulphurs
- c) All of above
- d) None of above

Q18. Starches, dietary fibers, other nonabsorbable sugars, sugar alcohols are?

- a) Probiotics
- b) Prebiotics
- c) Phytochemicals
- d) All of above

Q19. Which is the main bioactive components of Cranberry juice?

- a) Proanthocyanidins
- b) β -Glucan
- c) Soluble fiber
- d) All of above

Q20. Which is the main bioactive components of Green tea?

- a) Proanthocyanidins
- b) β -Glucan
- c) Catechins
- d) All of above