## UNIVERSITY OF MYSORE Postgraduate Entrance Examination November-2021



MAXIMUM MARKS : 50
MAXIMUM TIME : 75 MINUTES
(Including time for filling O.M.R. Answer sheet)

## INSTRUCTIONS TO THE CANDIDATES

1. The sealed question paper booklet containing 50 questions enclosed with O.M.R. Answer Sheet is given to you.
2. Verify whether the given question booklet is of the same subject which you have opted for examination.
3. Open the question paper seal carefully and take out the enclosed O.M.R. Answer Sheet outside the question booklet and fill up the general information in the O.M.R. Answer sheet. If you fail to fill up the details in the form as instructed, you will be personally responsible for consequences arising during evaluating your Answer Sheet.
4. During the examination:
a) Read each question carefully.
b) Determine the Most appropriate/correct answer from the four available choices given under each question.
c) Completely darken the relevant circle against the Question in the O.M.R. Answer Sheet. For example, in the question paper if "C" is correct answer for Question No.8, then darken against SI. No. 8 of O.M.R. Answer Sheet using Blue/Black Ball Point Pen as follows:

Question No. 8. (A) (B) (D) (Only example) (Use Ball Pen only)
5. Rough work should be done only on the blank space provided in the Question Booklet. Rough work should not be done on the O.M.R. Answer Sheet.
6. If more than one circle is darkened for a given question, such answer is treated as wrong and no mark will be given. See the example in the O.M.R. Sheet.
7. The candidate and the Room Supervisor should sign in the O.M.R. Sheet at the specified place.
8. Candidate should return the original O.M.R. Answer Sheet and the university copy to the Room Supervisor after the examination.
9. Candidate can carry the question booklet and the candidate copy of the O.M.R. Sheet.
10. The calculator, pager and mobile phone are not allowed inside the examination hall.
11. If a candidate is found committing malpractice, such a candidate shall not be considered for admission to the course and action against such candidate will be taken as per rules.
12. Candidates have to get qualified in the respective entrance examination by securing a minimum of 8 marks in case of SC/ST/Cat-I Candidates, 9 marks in case of OBC Candidates and 10 marks in case of other Candidates out of 50 marks.

## INSTRUCTIONS TO FILL UP THE O.M.R. SHEET

1. There is only one most appropriate/correct answer for each question.
2. For each question, only one circle must be darkened with BLUE or BLACK ball point pen only. Do not try to alter it.
3. Circle should be darkened completely so that the alphabet inside it is not visible.
4. Do not make any unnecessary marks on O.M.R. Sheet.
5. Mention the number of questions answered in the appropriate space provided in the O.M.R. sheet otherwise O.M.R. sheet will not be subjected for evaluation.

1) Which one of these glands has both endocrine and exocrine function?
(A) Liver
(B) Pancreas
(C) Parotid gland
(D) Thyroid gland
2) Enzyme secreted by salivary glands
(A) Pepsin
(B) Lyase
(C) Ligase
(D) Amylase
3) Daily requirement of iron per day for normal adult male is about $\qquad$ .
(A) 10 mg
(B) 19 mg
(C) 29 mg
(D) 40 mg
4) Caramel is obtained when sugar is boiled to $\qquad$ ${ }^{\circ} \mathrm{C}$.
(A) 110
(B) 200
(C) 150
(D) 170
5) Body composition shifts with age, showing what changes?
(A) Increase in bone mineral and protein
(B) Decrease in fat mass and increase in fat free mass
(C) Increase in fat mass and decrease in fat free mass
(D) Increase in water composition and fat free mass
6) Citric acid is used as
(A) Flavouring agent in food
(B) As an antioxidant
(C) As preservative
(D) All of the above
7) Infants and children with a suspected food allergy e.g. cow's milk allergy/ intolerance could display the following symptoms and signs
(A) Severe atopic dermatitis
(B) Enterocolitis
(C) Diarrhoea
(D) All of the above
8) A group of people who evaluate the flavour, texture, appearance and aroma of food products.
(A) Test panel
(B) Sensory evaluators
(C) Consumer taste panel
(D) Taste test panel
9) The National nutritional anemia control program was launched in the year
(A) 1980
(B) 1970
(C) 1960
(D) 1990
10) Women of reproductive age group with night blindness should receive a daily dose of vitamin A at the rate of
(A) 20,000 IU
(B) $10,000 \mathrm{IU}$
(C) $25,000 \mathrm{IU}$
(D) 50,000 IU
11) When the food is directly given in the veins, it is called $\qquad$ nutrition.
(A) Parenteral
(B) Enteral
(C) Intravenous
(D) Saline
12) Yeast is used for the production of $\qquad$ .
(A) Tetracycline
(B) Butanol
(C) Ethanol
(D) Citric Acid
13) Maltose is a disaccharide of $\qquad$ .
(A) Glucose and galactose
(B) Glucose and glucose
(C) Glucose and lactose
(D) Fructose and lactose
14) The lungs are protected by
(A) Sternum
(B) Rib cage
(C) Backbone
(D) All of the above
15) When fat is removed from whole milk, the resultant product is known as
$\qquad$ _.
(A) Evaporated Milk
(B) Skim Milk
(C) Condensed Milk
(D) Homogenised Milk
16) Salt and sugar preserve foods because they
(A) Make them acid
(B) Produce a hypotonic environment
(C) Deplete nutrients
(D) Produce a hypertonic environment
17) Which of the following is a must in food labelling?
(A) Name
(B) Standard Specification
(C) Place of Origin
(D) All of the above
18) Clinical features of Kwashiorkor include all of the following except
(A) Mental retardation
(B) Muscle wasting
(C) Oedema
(D) Anaemia
19) The form of iodine used in salt fortification is
(A) Potassium iodide and Potassium iodate
(B) Potassium chromate
(C) Potassium iodide
(D) Potassium iodate
20) Neural tube defect is due to deficiency of
(A) Iodine
(B) Folic acid
(C) Zinc
(D) Calcium
21) All of the following are needed for strong bones except $\qquad$ .
(A) Thiamine
(B) Calcium
(C) Magnesium
(D) Vitamin D
22) Which of the following is not an essential amino acid?
(A) Proline
(B) Histidine
(C) Leucine
(D) Methionine
23) Cereals are deficient in which amino acid
(A) Methionine
(B) Cysteine
(C) Tryptophan
(D) Lysine
24) The chronic disease condition with chronic pain is called
(A) Spondylosis
(B) Fibromyalgia
(C) Neuropathy
(D) Vit D deficiency
25) Coriander Powder is adulterated with $\qquad$ .
(A) Saw dust
(B) Dung powder
(C) Wooden powder
(D) Dried Leaves powder
26) The early symptoms of vitamin A deficiency is
(A) Bitot's spots
(B) Night blindness
(C) Keratomalacia
(D) Conjunctival xerosis
27) Fat storing cells of vertebrates are called $\qquad$ .
(A) Hepatocytes
(B) Asterocytes
(C) Adipocytes
(D) Melanocytes
28) Protein content of Soyabean is around ---g/100g
(A) $8-10$
(B) 35-40
(C) 15-20
(D) 12-18
29) When do babies often make the transition from formula to solid foods?
(A) 2 months
(B) 6 months
(C) 12 months
(D) 18 months
30) What is HACCP system for?
(A) Physical, Chemical and Biological Hazards
(B) A systematic analysis of all steps and regular monitoring of the control point
(C) Identifying the CCPs, including their location, procedure and process
(D) Accurately monitoring food hygiene hazards
31) Maternal anemia leads to
(A) Low IQ of the infant
(B) Premature delivery, low birth weight and mortality
(C) Lowered immunity and low birth weight
(D) Reduced lung function of the infant
32) The green pigment of leafy vegetables
(A) Anthocyanin
(B) Mangiferin
(C) Chlorophyll
(D) Leucoanthoxanthins
33) Hormone is secreted by which of the following organ?
(A) Pancreas
(B) Liver
(C) Duodenum
(D) Heart
34) According to the Food Pyramid system, a person should obtain most of their fat
(A) Meat, chicken and fish
(B) Vegetable oils, nuts and fish
(C) Fats, oils and sweets
(D) Milk, yoghurt and cheese
35) Which of the following is a factor that affects the storage stability of food?
(A) Type of raw material used
(B) Quality of raw material used
(C) Method/effectiveness of packaging
(D) All of the mentioned
36) What are the limitations of food balance sheets?
(A) No account is taken of waste or losses of food
(B) Consumption estimates give higher values than those derived from other types of surveys
(C) No information is available on the distribution of consumption within a country
(D) All of the options given are correct
37) The most spoilage bacteria grow at $\qquad$ .
(A) Acidic pH
(B) Neutral pH
(C) Alkaline pH
(D) All of the above
38) Citrous fruits are an excellent source of $\qquad$ .
(A) Calcium
(B) Vitamin-C
(C) Fats, oils and sweets
(D) Milk, yoghurt and cheese
39) Which of the following component cause coagulation if introduced to the blood stream?
(A) Fibrinogen
(B) Prothrombin
(C) Heparin
(D) Thromboplastin
40) A person who has had a renal transplant should regulate the intake of $\qquad$ .
(A) Carbohydrates
(B) Proteins
(C) Fats
(D) Vitamins
41) Common anthropometric measures used as indicators of growth and development in infants are :
(A) Height, Weight and head circumference
(B) Length and head circumference
(C) Sitting height and weight
(D) Recumbent height and weight
42) Nutrient required for making hormones, healthier skin and to make cell membranes $\qquad$ .
(A) Carbohydrate
(B) Fiber
(C) Fat
(D) Vitamin $\mathrm{B}_{12}$
43) Bones are mainly made up of
(A) calcium and phosphorous
(B) calcium and sulphur
(C) calcium and magnesium
(D) calcium and iron
44) The High Stationary stage of Demographic cycle represents which of the following?
(A) High death and high birth rate
(B) Decrease in death rate
(C) Increase in birth rate and decrease in death rate
(D) Birth rate lower than death rate
45) How much calcium per day required by breastfeeding woman?
(A) 1200 mg
(B) 2000 mg
(C) 1500 mg
(D) 1000 mg
46) The Mitochondria
(A) Synthesizes proteins
(B) Produces ATP
(C) Provides a pathway for transporting chemicals
(D) Forms glycoproteins
47) NEC stands for
(A) Nutrition education communication
(B) Nutrition education to community
(C) National education conceptualization
(D) Nutrition education campaign
48) The ulcer of the stomach is also known as
(A) Corneal ulcer
(B) Venous ulcer
(C) Gastric ulcer
(D) Peptic ulcer
49) Which of the following plastic polymer is used for chips packaging?
(A) PVDC
(B) PP
(C) PE
(D) LDPE
50) Marasmus occur due to deficiency of
(A) Calorie
(B) Protein
(C) Calorie and Protein
(D) None

## Rough Work

## అభ్యథిรగษిగి శ్జอఒసేగఆు



 ఎంబదన్ను யరిరిలలిసిరి.



 జదాబ్దారరంగిరుత్తిర.


 లుత్తరహస్ను నిధణరిసి.


 కుంబిర:




 ळలళెయల్లిన లుదాळరణి నెలలి.
 యృడ్బొలు.


 かっలగబळుడు.




 అంచగఆన్ను யֹడియత్ర్ప్దు.

## ఓ.ఎం.ఆరా. ळలఆయన్న్ కుంబలు స్యృజసెగఆు









Note : English version of the instructions is printed on the front cover of this booklet.

