



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### 2019- QUESTION PAPER

#### Exercise

1. Iron is present in IFA tablet as

A. Ferrous sulphate

B. Ferric sulphate

C. Ferric chloride

D. Transferrin

**Answer:**



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**2. National Nutrition Week is -**

A. 1)1st- 7 th September

B. 2)1 st - 7 th October

C. 3)1 st - 7 th November

D. 4)1st- 7 th December.

**Answer:**



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**3. Oxidative enzymes in food can be made inactive through -**

A. drying

B. blanching

C. freezing

D. use of chemical compounds.

**Answer:**



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**4. The nutritive value of Bengal gram increases**

by -

A. Bioling

B. germinating

C. sun-drying

D. frying

**Answer:**



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5. The pH level food is decreased by -

A. oil

B. sugar

C. water

D. organic acid.

**Answer:**



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6. Presently what amount of Vitamin A oil is given to a pre-school children twice in a year?

A. 1)1 lac unit

B. 2)2 lacs unit

C. 3)3 lacs unit

D. 4)4 lacs unit.

**Answer:**



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7. The temperature of hot smoking process is -

A.  $50^{\circ} C - 60^{\circ} C$

B.  $60^{\circ} C - 70^{\circ} C$

C.  $72^{\circ} C - 80^{\circ} C$

D.  $55^{\circ} C - 80^{\circ} C$

**Answer:**



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**8. Typhoid is ..... affected disease.**

A. Virus

B. Protozoa

C. Bacteria

D. Fungus.

**Answer:**





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9. Dairy excess folic acid requirement of a pregnant woman is -

- A. 500 microgram
- B. 300 microgram
- C. 200 microgram
- D. 400 microgram.

**Answer:**



10. Diabetes Insipidus disease occurs due to the deficiency of hormone -

- A. Insulin
- B. Glucagon
- C. Antidiuretic hormone
- D. Epinephrine.

**Answer:**



11. During birth, the body weight of an infant should be -

A. 1.5 kg

B. 2.0 kg

C. 2.5 kg

D. 3.0 kg

**Answer:**



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12. Name of the damaged membrane of stomach in peptic ulcer is -

A. Serosa

B. Myelin

C. Mucosa

D. Mesentery.

**Answer:**



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**13.** In which disease is sodium level of blood decreased?

A. Severe diarrhoea

B. Typhoid

C. Jaundice

D. Tuberculosis

**Answer:**



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14. Due to excessive deposition of iron in liver, a child will suffer from -

A. Haemosiderosis

B. PEM

C. Toxemia

D. Marasmus

**Answer:**



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15. Daily energy requirement of an infant aged between 6-12 months is -

- A. 1080 kcal
- B. 80 kcal /kg body weight
- C. 180 kcal/kgk body weight
- D. 90 kcal/kg body weight.

**Answer:**



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**16.** According to ICMR height of a reference man will be

A. 1.73 m

B. 1.61 m.

C. 1.70 m.

D. 1.65 m.

**Answer:**



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17. The instrument for measuring BMR is -

- A. Bomb calorimeter
- B. Caliper
- C. Benedict Roth Apparatus
- D. Douglas Bag.

**Answer:**



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18. Urea primarily originates from -

A. Liver

B. Large intestine

C. Small intestine

D. Kidney

**Answer:**



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**19.** Pro-enzyme of pepsin is -

A. Trypsinogen

B. Pepsinogen

C. Enterokinase

D. Peptidase

**Answer:**



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**20.** Which element of gastric juice acts as an antiseptic -

A. Pepsin

B. Lipase

C. HCl

D. Mucin

**Answer:**



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**21. Bile pigment is -**

A. Mucin

B. Biliverdin

C. Lecithin

D. Sodium taurocholate.

**Answer:**



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**22.** Write the names of two hormones which control Cori cycle.



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**23.** What is transamination?



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**24.** What is the function of maltase?



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**25.** What do you mean by amino acid pool?



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**26.** What is the dialy requirement of protein for a tuberculosis patient according to ICMR?



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**27.** What is the function of Lactoferrin?



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**28.** Write the full form of F. W. P.



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**29.** Write the full form of UNCED



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**30.** Write two objectives of diet survey.



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**31.** What do you mean by 'Top milk'?



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**32.** What is the cause of cretinism for an infant?



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**33.** Which vitamin and mineral are responsible for anaemia?



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**34.** Write down the names of the bile salts present in bile.



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**35.** A school tiffin consists of 6.4 gm fat, 19.4 gm carbohydrate and 11.8 gm protein. How much total kilocalories will be received from the tiffin.



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**36.** What is the formula of measuring BMI?



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**37.** What do you mean by Broca's Index?



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**38.** Which bacteria is responsible for peptic ulcer?



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**39.** What is Juvenile diabetes and who are suffering most in this disease?



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**40.** What is supplementary food?



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**41.** Which chemical preservative is used for green mango preservation?



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**42.** In which year and where was Applied Nutrition Programme started?



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**43.** What is the full form of EMP pathway? Give the other name of EMP pathway and define it. In which part of the cell this pathway does occur and what is the end product of this pathway? In brief, write down the process of EMP pathway.



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**44.** What is meant by Pancreatic juice? Write down the composition and function of the

Pancreatic juice.



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**45.** Mention the physiological processes taking place in resting phase for which energy is required. What will be the calorie requirement for an adult man and a woman on the basis of workload?



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**46.** Who are suffering most from Gout and how many types of gout are seen? Write down the causes for which the people get affected by gout. Mention the foods which are to be included and excluded in diet for patient from gout. Prepare a sample diet chart for a person affected with gout.



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**47.** How does the malnutrition of a pregnant mother affect the embryo? What are the necessities of nutrition for a lactating mother ?



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**48.** Name the bacteria responsible for the disease - Tuberculosis. What are the organs of a human body getting infected by this

bacteria? Mention the symptoms and precautionary measures for this disease.



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**49.** Write down the causes of food spoilage.

Discuss the commercial methods of preservation.



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**50.** Write down the full forms of UNICEF,WHO and NNMB. Which types of organization are ICMR and NIN?



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