



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### MODEL PAPER 02

#### Exercise

1. In which step of Kreb's cycle GTP is produced

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- A. Succinyl CoA to Succinic acid
- B. Citric acid to Cis-aconitic acid
- C. Oxalosuccinic acid to  $\alpha$ -ketoglutaric acid
- D. Fumaric acid to Malic acid.

**Answer:**



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**2. Calorie used in Nutrition is how much times greater than that used in Physics**

A. 1500 times

B. 1000 times

C. 900 times

D. 500 times

**Answer:**



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**3. The longest part of Alimentary canal is -**

A. Food pipe

B. Stomach

C. Small intestine

D. Large intestine

**Answer:**



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4. The unit present in small intestine that helps in absorption of food -

A. Mesentery

B. Villi

C. Diaphragm

D. Pancrease.

**Answer:**



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5. Name of the bacteria required for curd formation is -

A. 1)E. Coli

B. 2)Lacto bacillus

C. 3)Streptococcus.

D. 4)Mycobacterium.

**Answer:**



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**6.** The part of a teeth that is covered by enamel.

A. Neck

B. Crown

C. root

D. all of these

**Answer:**



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7. The amount of protein deposited during the pregnancy period in the embryo and other mother cells -

A. 560 gm

B. 910 gm

C. 1225 gm

D. 1420 gm

**Answer:**



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**8.** The calorie requirement is restricted in the disease which is diagnosed by mere body weight is -



A. Kwashiorkor

B. Malaria

C. Cholera

D. jaundice.

**Answer:**



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**9.** The food in which Avidin protein is present,  
is

A. Meat

B. Apple

C. Egg

D. Banana

**Answer:**



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**10.** The harmful substance used in chinese food is -

A. Vitamin

B. Mineral

C. Monosodium glutamate

D. Fibre.

**Answer:**



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**11.** What changes of protein of egg, meat, fish take place on heating?

A. 1.become tough and shrinked

B. 2.become soft

C. 3.become dry

D. 4.become easily digestible

**Answer:**



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**12. Main hindrance to get nutrition socially -**

A. 1.Adulterated food

B. 2.Cheap quality food

C. 3.nonpermitted coloured food

D. 4.non-nutritious food.

**Answer:**



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**13.** Amount of glucose recommended by WHO

for preparig IL of ORS-

A. 20 gm

B. 40.5 gm

C. 60 gm

D. 10 gm

**Answer:**



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**14.** Calorie value of 100 gm of buutter-

A. 900 kcals

B. 729 kcals

C. 810 kcals

D. 910 kcals

**Answer:**



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**15.** Rhodopsin is one type of -

A. 1.Vitamin

B. 2.Protein

C. 3.enzyme

D. 4.Pigment.

**Answer:**



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**16.** The persons with which blood group are prone to peptic ulcer disease

A. 1)A'

B. 2)B'

C. 3)AB'



D. 4)O'

**Answer:**



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**17. Juvenile diabetes also known as**

A. Type I DM

B. Type II DM

C. GDM

D. MRDM

**Answer:**



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**18.** Which of the following cannot protect the stomach from the attack of HCl?

A. Prostaglandin

B. Glucocorticoid

C. Urogastrone

D. Epidermal healing factor.

**Answer:**



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**19.** The anti unnutritious factor present in *Lathyrus satius*-

A. TCP

B. BOAA

C. Antimony

D. Arsenic.

**Answer:**



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**20.** The use of non-permitted colour in food can cause \_\_\_\_\_

- A. Tuberculosis
- B. Paralysis
- C. Cancer
- D. Dropsy

**Answer:**



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21. \_\_\_\_\_ gm/day of protein is needed for a 12 year old boy-

A. 40.4 gm

B. 39.9 gm

C. 54.3 gm

D. 51.9 gm.

**Answer:**



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**22. What is glucogenic amino acid?**



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**23. What is ketogenic amino acid?**



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**24.** In which condition breast milk is not safe for child?



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**25.** Mention two reasons of obesity in adolescent period.



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**26.** Name two bile acids.



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**27.** Mention the amount of calorie and protein of supplementary food given by ICDS.



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**28.** What foods are restricted in gastric ulcer?



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**29.** What is balanced diet?





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**30.** How much liquid is supplied in case of tube feeding?



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**31.** Which two minerals are found deficient during fever?



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**32.** Which essential amino acid is limited in puffed rice?



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**33.** The absorption of which mineral is hampered by the deficiency of vitamin C?



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**34.** What is chyle?





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**35.** Name two products excreted through ornithin cycle.



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**36.** What is produced in incomplete oxidation of fat?



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**37. What is succus entericus?**



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**38. Who are the beneficiaries of NPPNB?**



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**39. What is prosthetic group?**



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**40.** How much of carbohydrates are required for 1800 Kcals of energy?



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**41.** Describe the digestion of mouth cavity and stomach.



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**42.** Describe the process of absorption of protein.



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**43.** Calculate the carbohydrate content of a diet to supply 520 Kcals energy for a school mistress who has taken 15 gms of protein and 8 gms of fat.



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**44.** Write down at least six preventive instruction as suggested by WHO for patients

suffering from heart disease. Mention the foods that should be given and avoided for a patient suffering from high blood pressure.



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**45.** What are causes of cirrhosis of Liver? Write down the symptoms of cirrhosis of liver and principles of preparing diet chart for a patient with this disease.



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**46.** What is adulteration? Name the adulterants Usually mixed with edible oil and turmeric powder and discuss their ill effects.



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**47.** Write down the method of preservation of fish by smoking. What are the causes of food-spoilage?



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**48.** What are the consequences of IDD?



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