

(4)

Unit-III / F-III

6. Fungi are an important cause of the spoilage of vegetables and fruits. Discuss with examples. 7½

Hæue leLee medypeJeelkeā meðtkeCe keæe ðecekKe keæj Ce keálekeā neðsnq  
GoenjCe mecedø eððlestevee keæeþes~

7. Write notes on the following: 7½

efvcevedueKele hej eððtheCeer efuedKeS :

(i) Botulism and its prevention

yeðtletuepc leLee Gmekeáer jekælleece

(ii) Spoilage of canned foods by bacteria

peæleeCeððleWéej e ellyyeyovo KeeÆe heoLe&keæ meðtkeCe

Unit-IV / F-IV

8. Describe the industrial importance of microbes.

meðcepeddeelkeā Deññeskeá cenlJe keæe JeCelle keæeþes~ 7½

9. Describe the various physical methods of control of microorganisms in food. 7½

KeeÆe meecekeer ceW meðcepeddeelkeā efvðeðCe ceWððeðie efæðles iððe  
efððeðe Yeeñ keæe eððdeððelkeæ JeCelle keæeþes~

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(Printed Pages 4)

Roll No. \_\_\_\_\_

S-720

B.Sc. (Part -II) Examination, 2015

HOME SCIENCE

(Group-I)

Third Paper

(Microbiology)

**Time Allowed : Three Hours ] [ Maximum Marks : 50**

Note : Answer five questions in all. Question No. 1 is compulsory. Attempt one question from each unit. Marks for each question are indicated in the right corner.

keæue heððe ðellveelkeā Goej oepes~ ðellve með 1 Deññeleðe nñ  
ðellveleka Fkæefmes Skeá ðellve keæeþes~ ðellveleka ðellve keæ Dkæá  
oefhves ekeáveej s hej Dkæale nq

1. Write short notes on the following:

efvcevedueKele hej meðtkeCeððtheCeer efuedKeS :  $2 \times 10 = 20$

(i) E. Coli

F& keæeþes~

(ii) Ergot

Dej iøs~

(2)		(3)
(iii) Salmonellosis meeueceesyeesfhemem		3. Write notes on the following: 7½ efecveuedKele hej eStheCeJeB efecKeS : (i) Effect of hydrogen-ion concentration of food on microbial growth met#cepeeler keär Jeeße hej Keeße heoLe&kei neF [epe-DeeJeve keävmerŠMeve keäe řeYeele
(iv) Non- perishable foods veehefMeejeue Keeße heoLeL		(ii) Bacterial growth curve peelieCedJeelWcellJeeße Úeße
(v) Sodium benzoate meesUece yespee\$S		Unit-II / Fkäef-II
(vi) Psychrophiles meeF>eäbäeFue		4. Discuss the distribution of microorganisms in air. Describe any one air borne viral infection and its control. 7½ JeeJeg cellme#cepeelerWkei ejelej Ce keär ejeleJevee keäepelles ekameer Skeá JeeJeg peevle ejeleCej mebeacceCe SJob Gmekéá jekelLeece keäe ejelej Ce oepelles
(vii) Wine Yeasts JeeFve ÚeemŠ		5. Differentiate between the following: 7½ efecve cellDevlej yeléeFües: (i) Innate and adaptive immunity menpe SJob S[ohŠje ejelej #eCe (ii) Tuberculosis and cholera. Iehesfokeá SJob npce
(viii) Autoclave Deesetkäede		
(ix) Streptomycin mššeseeFhemem		
(x) Proteolysis OeoSÚeeseeFhemem		
Unit-I / Fkäef-I		
2. Discuss the general characteristics of various groups of micro-organisms. 7½ ejelvle met#cepeelerJeeWkei meeh kai meeceevÙe iefceWkeäe JeCeHe keäepelles		