

(4)

- (b) Describe a fuse circuit breaker. 3½
hekkēpe Jejjēge heej heLe j eøekeā keā JeCelle keāøepeS~
Unit-III / FkeāF-III
6. Describe household wiring. Also discuss the purpose of transformer. 7½
lej set Jejjēge he keā JeCelle keāøepeS~ Šeññacel keā kejlee ñejepeve nP
7. Answer the following:
éreçveuedKele keā Göej oøpeS~
- (a) Working of any one musical instrument
ekāmeer Yer Skeā meññele Jejjēge keā kejlee ñejepeve 2½
- (b) Difference between hair dryer and dryer of washing machine
yeeue meKeeves leLee keah[e meeheā keāj ves Jeeueer keā
Mgkeakeā celVlej 2½
- (c) Importance of distribution box in household wiring.
lej set etteAje heLe celVlej Ce keā‰‰ keā cenIJe~ 2½
Unit-I V / FkeāF-I V
8. (a) Explain 'warranty' and 'guarantee'. 4
'Jeej liser Deej 'ieej liser keas mecePeeFS~
- (b) What are portable and non-portable equipments? Give at least three examples of each. 3½
heesyeue Deej veee-heesyeue Ghekeaj Ce kejlee nP ñeññekā keā
keāce mes keāce Ieave Goenj Ce oøpeS~
9. Name two equipments for recreation. Discuss their selection, design and maintenance. 7½
ceveej þeve nsej oes Ghekeaj Ceeññekā veee eññekēS~ Gvekeā ñegeje, j ñevee Sjedec j Ke-j Keeje keār eññevée keāøepeS~

A

(Printed Pages 4)

S-717

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

(Regular & Exempted)

HOME SCIENCE

Paper-III

(Group-III)

(Household Equipments)

Time Allowed : Three Hours] [Maximum Marks : 50

Note : Answer five questions in all. Question No.1 is compulsory. Attempt one question from each Unit.

keque heeBle ñeññekā Göej oøpeS~ ñeññev meb1 Deejjele nP
ñeññekā FkeāF&mes Skeā ñeññev keāøepeS~

1. Answer each of the following in brief :

ñeññekā keā Göej meññele celVlejKeS~ 2×10=20

(i) What is a photon?

heasññe kejlee nP

(ii) Our fore-arms belong to which class of lever?

ñceej er yeeb keā Deejjevie ekāme keāme keā ueej nP

(iii) What is a simple machine?

mejue celMeare kejlee nP

(iv) What are beats?

ñññhevo kejlee neles nP

(2)

- (v) Explain how does a sitting doll sit up even when it is made to lie down?

yell'ves Jeeueer iegj Uee keâes efueševeshej Yeer Jen yell' peeler nw keâleip

- (vi) Differentiate between a primary and a secondary cell.

keâleefkeâ Deej eE leetlekeâ mesce celâleip keâleipS~

- (vii) Describe the colour codes used to denote the value of a resistor.

ekeâmeer leel ej eSe keâe ceeve oMeelies keâ efueS leeliee cellueUe preeves Jeeues j be keâS keâe JeCelle keâleipS~

- (viii) Stainless steel cooking pans are made with an extra copper bottom. Explain.

Keeâe hekeâeves Jeeues mšyeueane mšyeue keâ yell'leek keâer leueej hej leeliee ueiee ebUee peeler nw keâleip

- (ix) Define kitowatt-hour.

ekâueeleeS- leSe keâes heej Yeekele keâleipS~

- (x) What is the value of current flowing through a filament of a 60W bulb when it is connected to a 220V A.C. source?

peye ekeâmeer 60W keâ yeuye keâes 220 JeeusS Jeeues heej Jel ej Oej e ceede mespeal e peeler nw leesGmekâ lallegcelyenvesJeeuee Oej e keâe ceeve keâleip neise?

Unit-I / EkeâF-I

2. (a) Distinguish between centripetal and centrifugal forces. Discuss a household appliance based on the idea of centripetal force.

5

(3)

Deelkeâvô Deej Dehekeâvô yeuellekkâle Devlej nP Dehekeâvô yeue keâr DeJeOej Cee hej DeeOej le ekeâmeer lej siet Ghekeâj Ce keâr ejelefevee keâleipS~

- (b) Write a note on source of colours. 2½
j lees keâ ceede hej eStheCeer efueKeS~

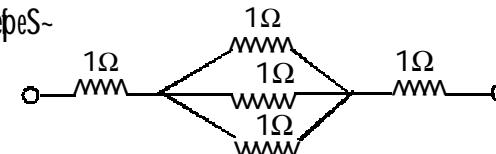
3. (a) Explain screw and pulleys. 4
meli Sjeced hegeer keâes mecePeFS~

- (b) Explain the working of vacuum cleaner. 3½
Jel leleke keârezej keâr keâleip & Ceeueer keâes mecePeFS~

Unit-II / EkeâF-II

4. (a) Explain the principle and construction of an automatic iron. 4½
mleUeefule Fmlej er keâ efueeule Sjeced j Uevee keâe JeCalle keâleipS~

- (b) Calculate the equivalent resistance of the following electrical circuit. 3
elevueeKele Jel leje heej heLe keâ lejUe leel ej eSe keâe ceeve keâleipS~



5. (a) Define the units used for the measurement of charge and current. How charge and current are related to each other? 4
Deeljele Sjeced Oej e keâ ceefkeâel keâes heej Yeekele keâleipS~
Deeljele leLæ Oej e Dehemie celluekâme keâeaj mecyefole nq