

(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
heësyue Deej veee-heësyue 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 heeße ñeññekā Göej oøpeS~ ñeññev meb1 DeejjeJe 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?

heäšere kejlee nP

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

nceej er yeeh keā Deejyeie ekāme keāme keā ueej nP

(iii) What is a simple machine?

mejue celMeare kejlee nP

(iv) What are beats?

ellennhevo kejlee nelas 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 keâepeS~

- (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 keâepeS~

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

Keeâe hekeâeves Jeeues mšyeueane mšue keâ yell' leel ej keâer leueej hej leel ee ueiee ebUee peele nw keâleip

- (ix) Define kitowatt-hour.

ekâueeleeS - leSe keâes heej Yeekele keâepeS~

- (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 Jeeus S Jeeues heej Jel ej Oej e ceede mespeS le peele nw leesGmekâ lallegcelyenvesJeeuee Oej e keâe ceeve keâle 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 yeuellelkelkeâ Devlej nP Dehekeâvô yeue keâr DeJeOej Cee hej DeeOej le ekeâmeer lej siet Ghekeâj Ce keâr ejelefevee keâepeS~

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

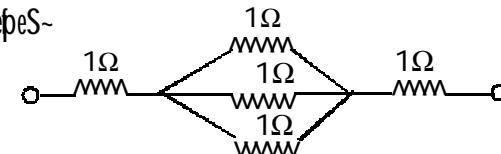
3. (a) Explain screw and pulleys. 4
meli Sjeced hegeer keâes mecePeFS~

- (b) Explain the working of vacuum cleaner. 3½
Jel lele te keâezej keâr keâle & leCeeueer 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 keâepeS~

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



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 ceefkeâelkeâs heej Yeekele keâepeS~
Deeljele leLæ Oej e Dehemre celkeâme keâeaj mecyefole nq