0501209418

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a ha

(c) What ar
their str

(d) How la
living c

Total number of printed pages – 7

Fourth Semester Examinati

CHEMISTRY – II

Full Marks – 70

Time – 3 Hours

*Answer Question No. **1** which is*
*and any **five** from the re*
The figures in the right-hand
indicate marks.

1. Answer in brief :

(a) Why is chloramine better
for sterilization of water ?

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a ha

(c) What ar
their str

(d) How la
living c

(b) Why is buffer added during
hard water against hard wat
buffer is added ?

(c) Why is net calorific value less
calorific value ?

(d) Which is superior : water gas
gas and why ?

(e) Why is weight average mole
of a polymer always higher t
average molecular mass ?

(f) Write the monomers of :

(i) polyurethane rubber

(ii) butyl rubber

(iii) nylon 6

(iv) terylene.

(c) Give th
conduc

8. (a) Distingu
and die

(b) What m
for a ha

(c) What ar
their str

(d) How la
living c

(g) What is the importance of
ment ?

(h) What is caustic embrittlem

(i) Which one is preferable
copper rivets in steel plate
in copper plate ?

(j) What is the difference betw
of aluminium and magnes

2. (a) Why is hardness of water
terms of calcium carbonate

(b) What is scale ? What are
tages of scale formation ?

(c) 50 ml of standard hard wat
$CaCO_3$) required 90 ml of
for detection of end point.

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a ha

(c) What ar
their str

(d) How la
living c

sample required 18 ml of
and 50 ml of the boiled
required 11 ml of EDTA solu
the carbonate and n
hardness of the water sa

3. (a) What is cracking ? What
tages of catalytic crackin

(b) What are the differences
and gasoline fuel ?

(c) What are the advantag
motor fuel ?

4. (a) What is coking coal ?

(b) Discuss about Otto Hoffm
manufacturing of coke.

(c) The percentage analys
volume) is H_2 = 19, CO

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a h

(c) What ar
their str

(d) How la
living c

$CH_4 = 4$ and $CO_2 = 6.1$. Calc
product obtained if 20% e
supplied for complete combus

5. (a) Discuss the biochemical
arsenic and fluoride.

(b) Discuss about the second
treatment methods.

(c) 20 ml of sewage water was
0.2 N dichromate solution in
sulphuric acid and unreacte
required 18 ml of 0.1 N F
Ammonium Sulphate) soluti
lization. Blank titration requ
same FAS solution under s
for neutralization. Calculat
the sample.

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a h

(c) What ar
their str

(d) How la
living c

$CH_4 = 4$ and $CO_2 = 6.1$. Calc
product obtained if 20% e
supplied for complete combus

5. (a) Discuss the biochemical
arsenic and fluoride.

(b) Discuss about the second
treatment methods.

(c) 20 ml of sewage water was
0.2 N dichromate solution i
sulphuric acid and unreacte
required 18 ml of 0.1 N F
Ammonium Sulphate) soluti
lization. Blank titration requ
same FAS solution under s
for neutralization. Calculat
the sample.

(c) Give th
conduc

8. (a) Distingu
and die

(b) What n
for a ha

(c) What ar
their str

(d) How la
living c

8. (a) What do you mean by
chlorination ? What are its

(b) Compare between permut
lime-soda method.

(c) Why is small amount of
added to petrol ?