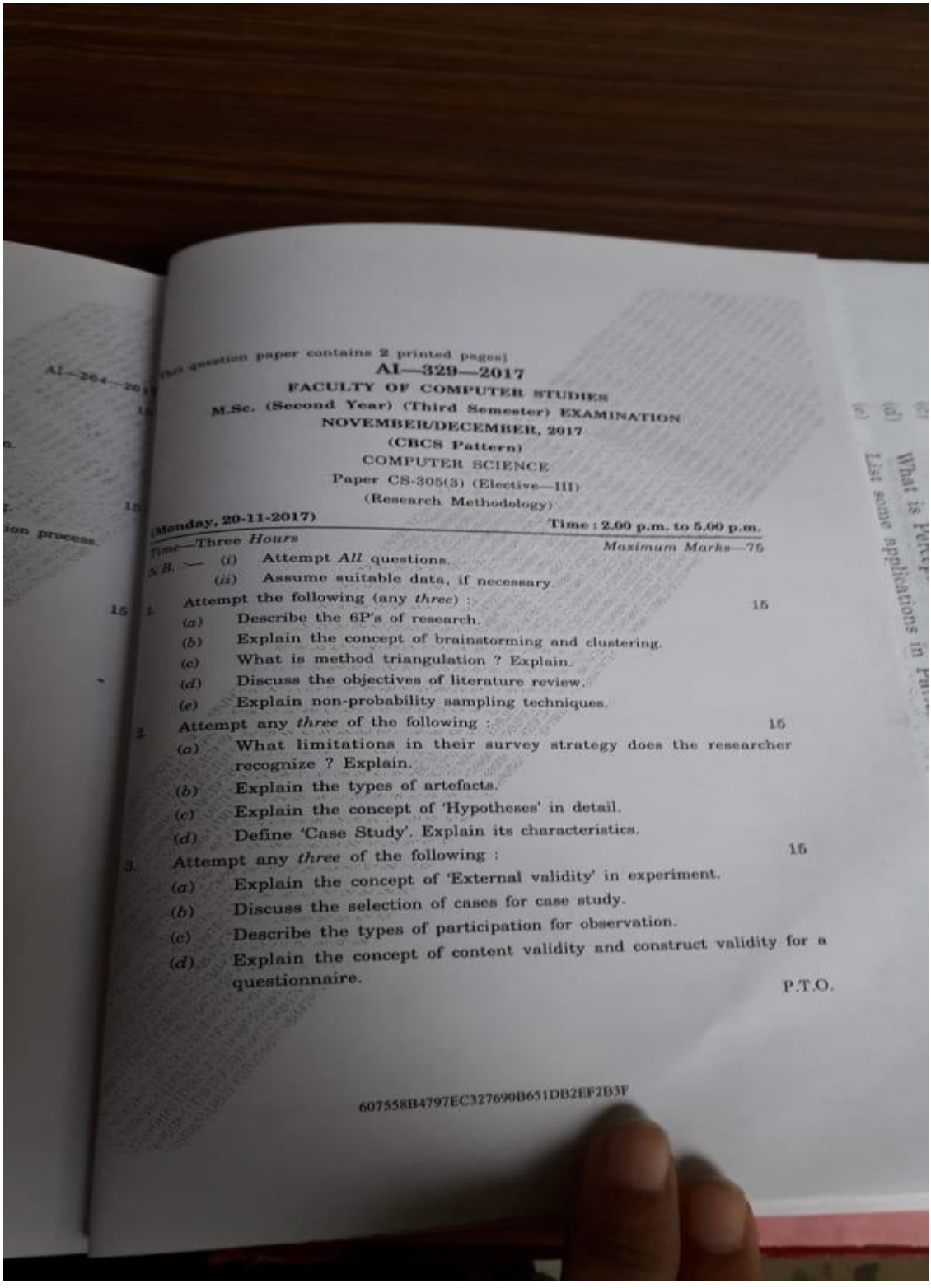
QUESTION BANK FOR RESEARCH METHODOLOGY



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AI—329—2017

FACULTY OF COMPUTER STUDIES

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2017

(CBCS Pattern)

COMPUTER SCIENCE

Paper CS-305(3) (Elective—III)

(Research Methodology)

(Monday, 20-11-2017) **Time : 2.00 p.m. to 5.00 p.m.**

Time—Three *Hours* *Maximum Marks*—75

N.B. — (*i*) Attempt *All* questions.

(*ii*) Assume suitable data, if necessary.

1. Attempt the following (any *three*) : 15

(*a*) Describe the 6P's of research.

(*b*) Explain the concept of brainstorming and clustering.

(*c*) What is method triangulation ? Explain.

(*d*) Discuss the objectives of literature review.

(*e*) Explain non-probability sampling techniques.

2. Attempt any *three* of the following : 15

(*a*) What limitations in their survey strategy does the researcher recognize ? Explain.

(*b*) Explain the types of artefacts.

(*c*) Explain the concept of 'Hypotheses' in detail.

(*d*) Define 'Case Study'. Explain its characteristics.

3. Attempt any *three* of the following : 15

(*a*) Explain the concept of 'External validity' in experiment.

(*b*) Discuss the selection of cases for case study.

(*c*) Describe the types of participation for observation.

(*d*) Explain the concept of content validity and construct validity for a questionnaire.

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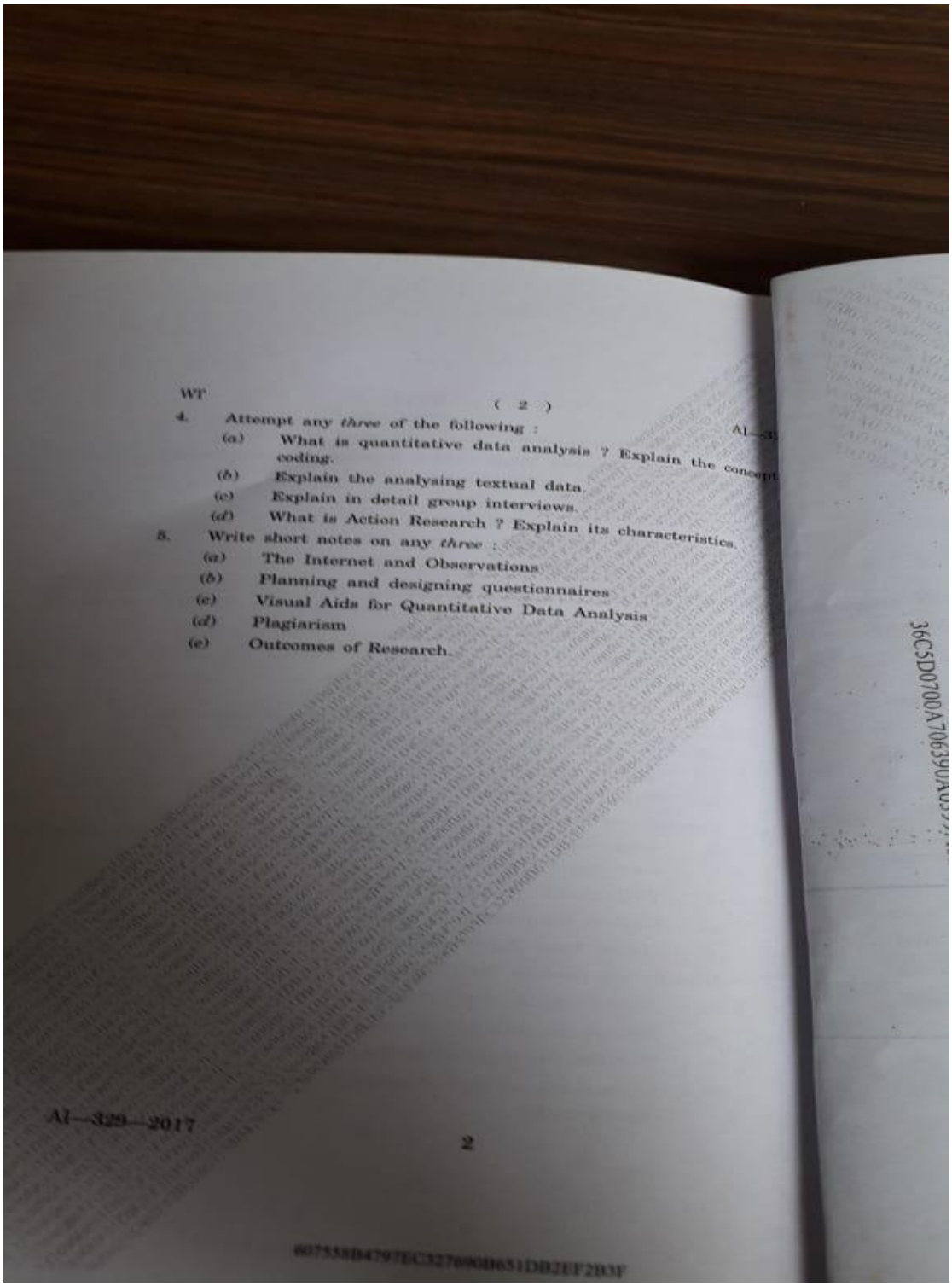
QUESTION BANK FOR RESEARCH METHODOLOGY



WT

(2)

4. Attempt any *three* of the following :

(a) What is quantitative data analysis ? Explain the concept coding.

(b) Explain the analysing textual data.

(c) Explain in detail group interviews.

(d) What is Action Research ? Explain its characteristics.

5. Write short notes on any *three* :

(a) The Internet and Observations

(b) Planning and designing questionnaires

(c) Visual Aids for Quantitative Data Analysis

(d) Plagiarism

(e) Outcomes of Research.

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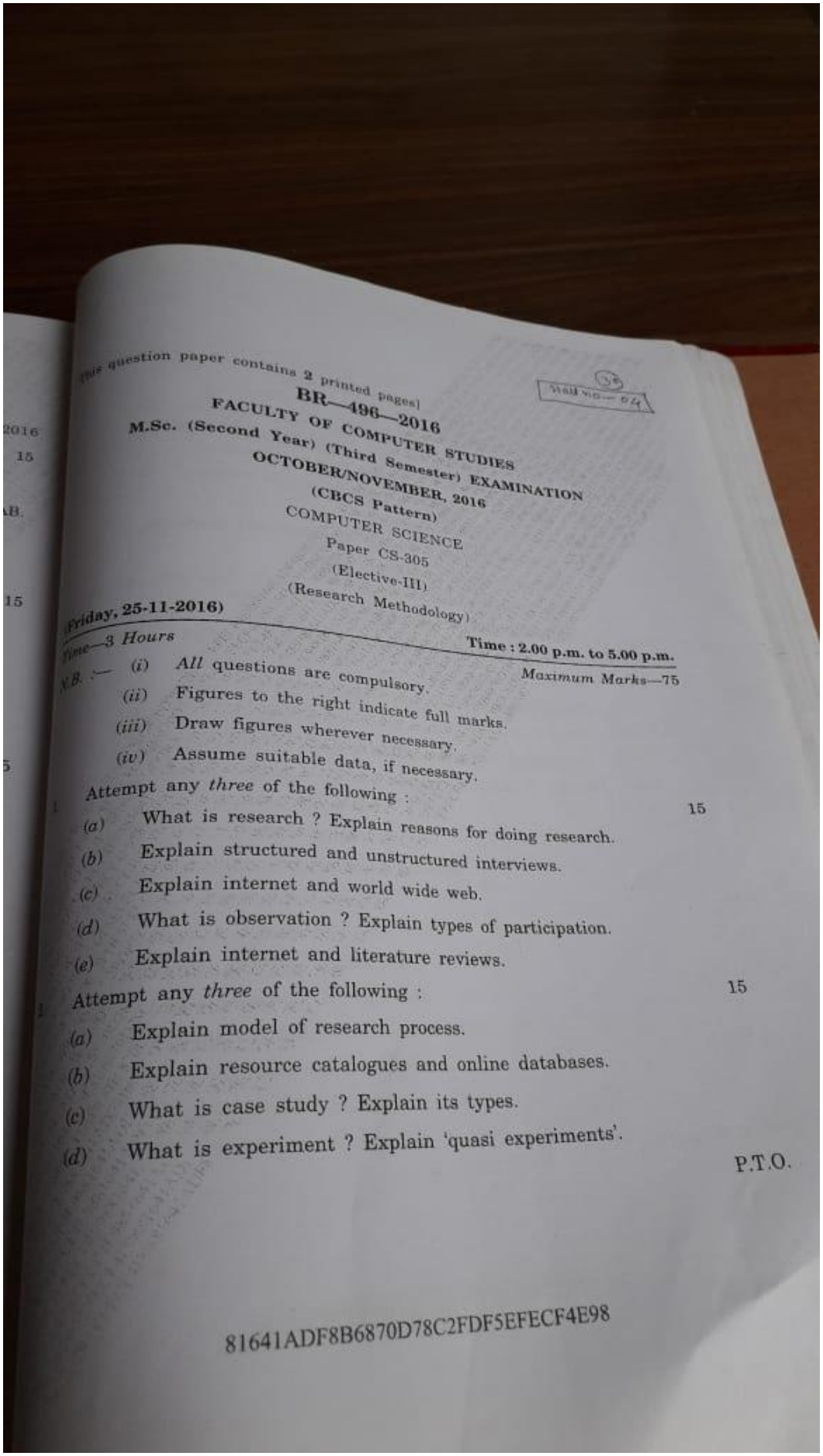
QUESTION BANK FOR RESEARCH METHODOLOGY



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BR—496—2016

FACULTY OF COMPUTER STUDIES

M.Sc. (Second Year) (Third Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

COMPUTER SCIENCE

Paper CS-305

(Elective-III)

(Research Methodology)

(Friday, 25-11-2016)

Time—3 Hours Time : 2.00 p.m. to 5.00 p.m.

N.B. :— (i) *All* questions are compulsory. Maximum Marks—75

(ii) Figures to the right indicate full marks.

(iii) Draw figures wherever necessary.

(iv) Assume suitable data, if necessary.

1 Attempt any *three* of the following : 15

(a) What is research ? Explain reasons for doing research.

(b) Explain structured and unstructured interviews.

(c) Explain internet and world wide web.

(d) What is observation ? Explain types of participation.

(e) Explain internet and literature reviews.

1 Attempt any *three* of the following : 15

(a) Explain model of research process.

(b) Explain resource catalogues and online databases.

(c) What is case study ? Explain its types.

(d) What is experiment ? Explain 'quasi experiments'.

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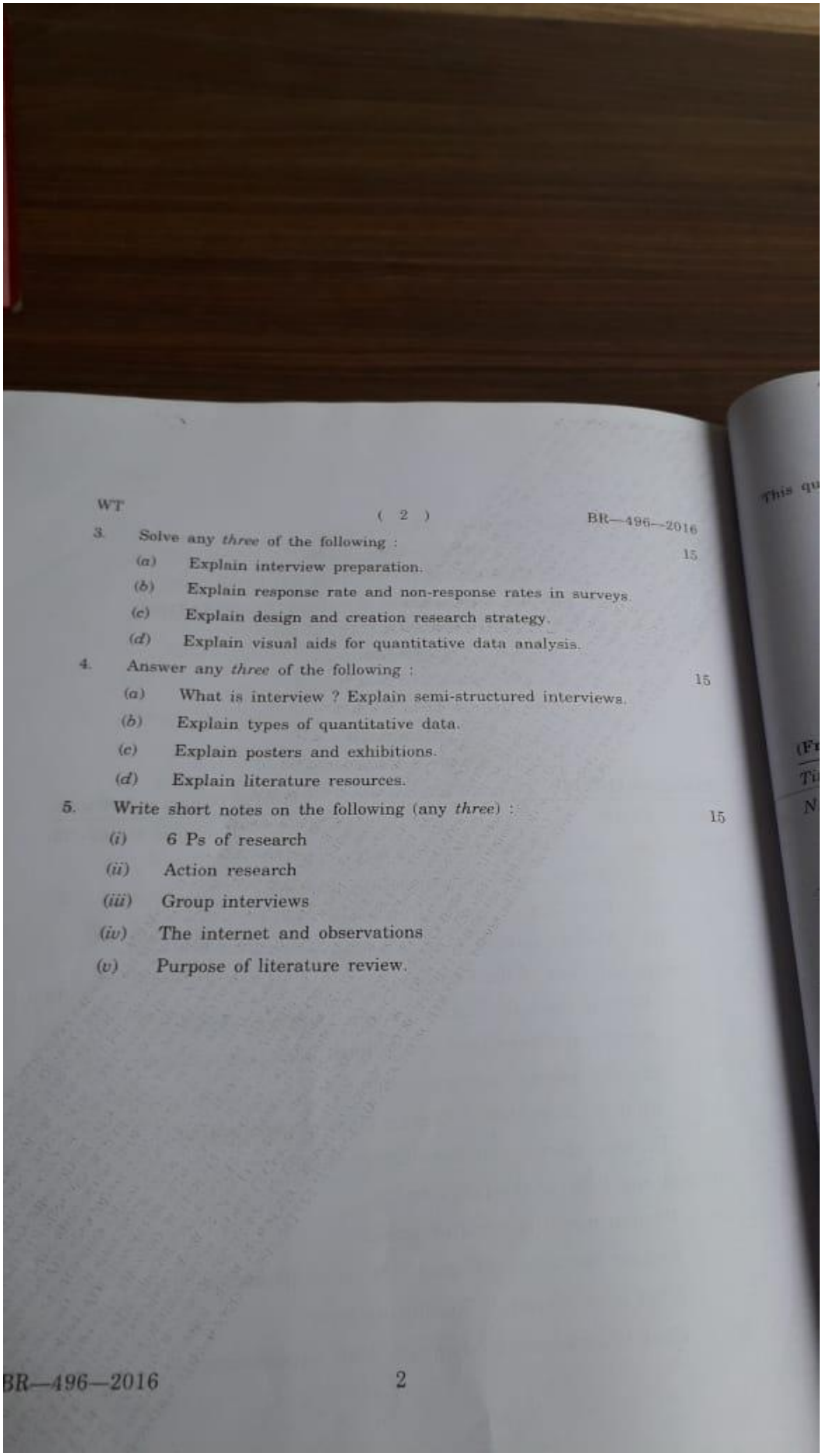
QUESTION BANK FOR RESEARCH METHODOLOGY



3. Solve any *three* of the following : 15

   (*a*) Explain interview preparation.

   (*b*) Explain response rate and non-response rates in surveys.

   (*c*) Explain design and creation research strategy.

   (*d*) Explain visual aids for quantitative data analysis.

4. Answer any *three* of the following : 15

   (*a*) What is interview ? Explain semi-structured interviews.

   (*b*) Explain types of quantitative data.

   (*c*) Explain posters and exhibitions.

   (*d*) Explain literature resources.

5. Write short notes on the following (any *three*) : 15

   (*i*) 6 Ps of research

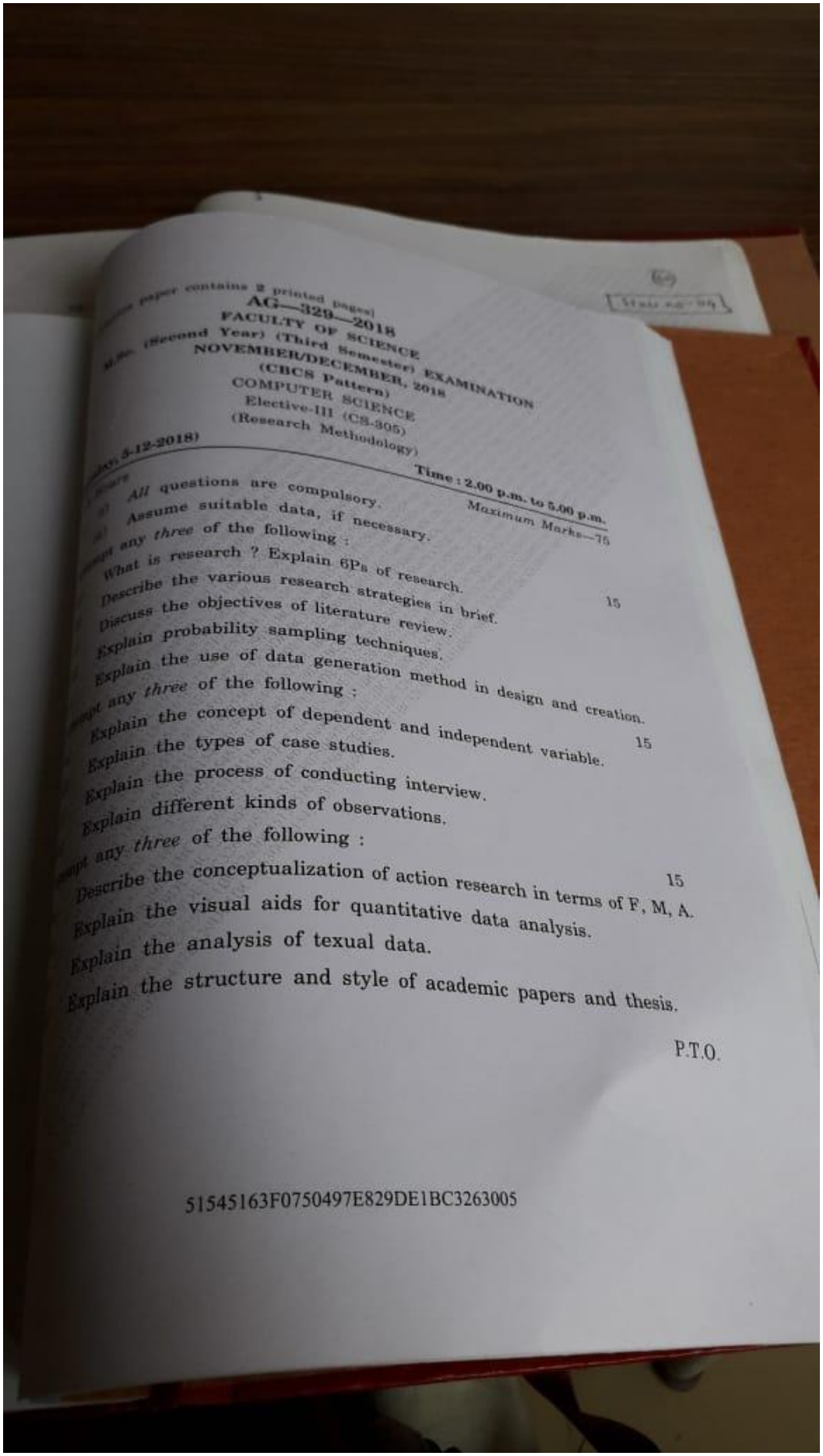
   (*ii*) Action research

   (*iii*) Group interviews

   (*iv*) The internet and observations

   (*v*) Purpose of literature review.

QUESTION BANK FOR RESEARCH METHODOLOGY



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AG—329—2018

FACULTY OF SCIENCE

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Elective-III (CS-305)

(Research Methodology)

...ay, 5-12-2018) Time : 2.00 p.m. to 5.00 p.m.

Maximum Marks—75

All questions are compulsory.

Assume suitable data, if necessary.

...pt any *three* of the following :

What is research ? Explain 6Ps of research. 15

Describe the various research strategies in brief.

Discuss the objectives of literature review.

Explain probability sampling techniques.

Explain the use of data generation method in design and creation.

...pt any *three* of the following :

Explain the concept of dependent and independent variable. 15

Explain the types of case studies.

Explain the process of conducting interview.

Explain different kinds of observations.

...pt any *three* of the following :

Describe the conceptualization of action research in terms of F, M, A. 15

Explain the visual aids for quantitative data analysis.

Explain the analysis of texual data.

Explain the structure and style of academic papers and thesis.

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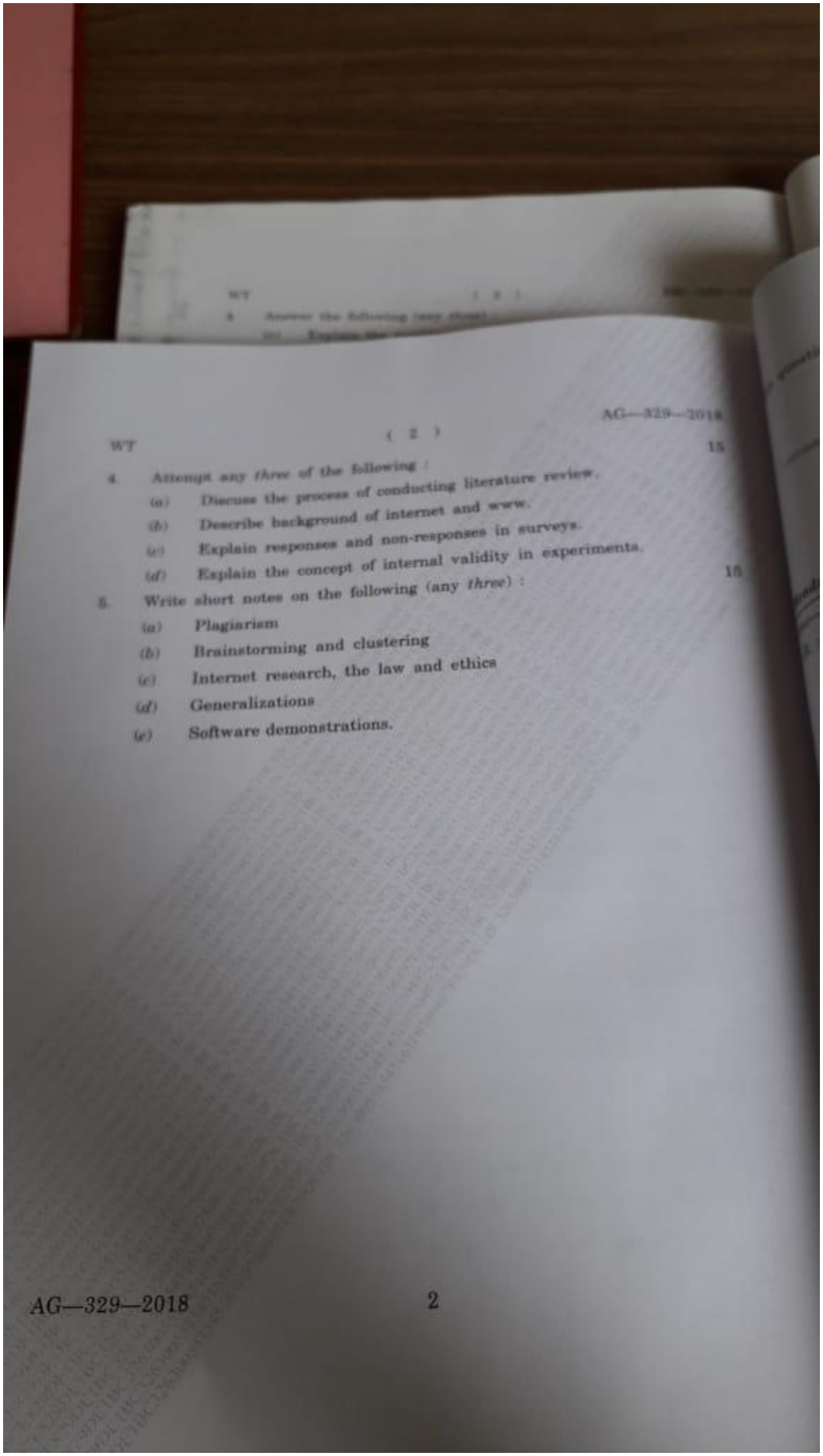
QUESTION BANK FOR RESEARCH METHODOLOGY



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WT (2)

4. Attempt any *three* of the following : 15

(a) Discuss the process of conducting literature review.

(b) Describe background of internet and www.

(c) Explain responses and non-responses in surveys.

(d) Explain the concept of internal validity in experiments.

5. Write short notes on the following (any *three*) : 15

(a) Plagiarism

(b) Brainstorming and clustering

(c) Internet research, the law and ethics

(d) Generalizations

(e) Software demonstrations.

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