

Year- 2009
SYLLABUS FOR JRF ENTRANCE EXAM SOCIOLOGY
STUDENTS MAY PREPARE FROM THE ECONOMICS OR
SOCIOLOGY SYLLABUS. THERE WILL BE ONE COMMON PAPER
WITH CHOICE OF QUESTIONS.

Economics

Topics

1. Data base of the Indian Economy
2. Problems of social and economic development

Readings:

Ruddar Dutt and KPS Sundaram, The Indian Economy, latest edition.
Jean Dreze and Amartya Sen, India: Economic Development and
Social Opportunity (1999) or India, Development and Participation (2002)
UNDP, Human Development Report, 1990 and recent years

Sociology

Topics

1. Sociological Theory and Thought
2. Social Problems of India
3. Gender studies

Readings

Anthony Giddens, Sociology
A. R. Desai, Introduction to Rural Sociology
W.F. Ogburn and M. F. Nimkoff, Sociology
Optional: Laila Kabeer, Pathways of Women's Empowerment
Amartya Sen, Development as Freedom
Bina Agarwal, A Field of One's Own: Gender and Land Rights in South
Asia.

Statistics

1. Descriptive statistics
2. Standard distributions and their properties.
3. Statistical inference (estimation and testing)
4. Design of experiments and sample survey

Note: Candidates are expected to know the main steps involved in
calculation but not necessarily all the derivations.

Readings

A. M. Gun, M. K. Gupta and Dasgupta, Fundamental Statistics, volumes
1 and 2, relevant chapters
A. M. Gun, M. K. Gupta and Dasgupta, Basic Statistics, relevant chapters
Optional: G. W Snedecor and W. G. Cochran, Statistical Methods

SAMPLE TEST QUESTIONS
2009

Forenoon

BOOKLET No.

TEST CODE: RXI

Questions: 20

Time: 2 hours

On the answer-booklet write your Name, Registration Number, Test Code Number of this Booklet, etc. in the appropriate places.

ALL ROUGH WORK MUST BE DONE ON THIS BOOKLET
AND/OR ON THE ANSWER-BOOKLET.

STOP! WAIT FOR THE SIGNAL TO START

Objective questions and short answer-questions: 2 hours

Section 1

*Write down the number of the correct answer in the answer script
Answer any 12 questions (out of 15) of 5 marks each (Total of 60 marks).*

SAMPLES (Total 15 in final paper)

1. The Head Count Ratio of income poverty refers to
 - (a) the number of people below the poverty line
 - (b) the proportion of people below the poverty line
 - (c) the number of adults below the poverty line
 - (d) the proportion of adults below the poverty line

2. At the Census of 2001, the population of India was
 - (a) 527 million
 - (b) 57 million
 - (c) 1027 million
 - (d) 100 million

3. The unemployment rate refers to
 - (a) the number of people without jobs
 - (b) the number of people without regular jobs
 - (c) the number of adults who are unemployed
 - (d) persons who are unemployed as a proportion of the labour force

4. The Census of India is conducted
 - (a) every year
 - (b) every two years
 - (c) every ten years
 - (d) none of the above

5. The share of manufacturing in national income (GDP) is around
 - (a) 52 per cent
 - (b) 22 per cent
 - (c) 12 per cent
 - (d) None of the above

6. Children of the same parents are called;
 - (a) Brothers
 - (b) Siblings
 - (c) Offspring
 - (d) Sisters

7. "Civil society is a mind writ large" is a phrase used by

- (a) Hobbes
- (b) Plato
- (c) Locke
- (d) Bogardus

8. Given the following results for the heights (y) and weights (x) of 1000 men students: \bar{y} (mean) = 68.00 inches, \bar{x} = 150.00 lbs, $s_y = 2.50$ inches, $s_x = 20.00$ lbs and $r=0.60$. Treating height as the dependent variable, we fit a linear regression to this data. Denote by \hat{y}_i the fitted value of y_i . The variance of $(y_i - \hat{y}_i)$ equals

- (a) 2.50^2
- (b) 20.00^2
- (c) $2.50^2(1-0.60^2)$
- (d) $20.00^2(1-0.60^2)$.

9. Let

$$V_1 = (7^2 + 8^2 + 15^2 + 23^2) / 4 - \{(7+8+15+23)/4\}^2$$
$$V_2 = (6^2 + 8^2 + 15^2 + 24^2) / 4 - \{(6+8+15+24)/4\}^2$$
$$V_3 = (6^2 + 8^2 + 15^2 + 23^2) / 4 - \{(6+8+15+23)/4\}^2$$

Then

- (a) $V_1 < V_3 < V_2$
- (b) $V_3 < V_2 < V_1$
- (c) $V_3 < V_1 < V_2$
- (d) $V_2 < V_3 < V_1$

Section 2

*Provide short definitions/ notes on any eight of the following questions.
8 questions of 5 marks each (Total of 40 marks).*

SAMPLES

1. Capabilities
2. Underemployment
3. Mean square error
4. The unorganized sector in the labour market
5. Tariffs
6. Infant industry
7. The Finance Commissions
8. New social movements
9. Content analysis
10. Residual variance

SAMPLE TEST QUESTIONS
2009

Afternoon

BOOKLET No.

TEST CODE: RXII

Questions: 5

Time: 2 hours

On the answer-booklet write your Name, Registration Number, Test Code Number of this Booklet, etc. in the appropriate places.

ALL ROUGH WORK MUST BE DONE ON THIS BOOKLET
AND/OR ON THE ANSWER-BOOKLET.

STOP! WAIT FOR THE SIGNAL TO START

Essay questions: 2 hours

*Answer any five of the following questions in not more than 350 words each.
Each answer carries a maximum of 20 marks.*

2 hours

SAMPLES

1. What are the sources of data on employment in India? Elaborate.
2. What are the main features of deprivation with respect to school education in India?
3. Discuss some of the effects of the WTO agreement on Indian agriculture.
4. Contrast policies of social and development banking with those of financial liberalisation.
5. "India is a land of villages". How far do you agree with this statement?
6. Discuss the relation between civil society and democracy with suitable examples.
7. What is the significance of the feminist perspective in modern sociological research?
8. An aptitude test was given to two groups of soldiers: (a) a group of 1050 who had been in the army for some time; (b) a group of 531 new recruits. The means and standard deviations of the scores of the two groups were as follows

Group	Mean	Standard deviation
(a)	47.65	6.77
(b)	46.10	6.79

Find 95% confidence limits for the difference between the population means.