

**RET/17/Test B****740****Agricultural Economics**  
**10005**

Question Booklet No. ....

(To be filled up by the candidate by **blue/black ball-point pen**)Roll No. 

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Roll No. (Write the digits in words) .....

Serial No. of OMR Answer Sheet .....

Day and Date .....

(Signature of Invigilator)

**INSTRUCTIONS TO CANDIDATES**(Use only **blue/black ball-point pen** in the space above and on both sides of the **Answer Sheet**)

1. Within 30 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope*.
3. *A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.*
4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
5. *On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.*
6. *No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR Sheet No. on the Question Booklet.*
7. *Any changes in the aforesaid-entries is to be verified by the invigilator, otherwise it will be taken as unfair means.*
8. *This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.*
9. For each question, darken only *one* circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks)*
11. For rough work, use the inner back pages of the title cover and the blank page at the end of this Booklet.
12. Deposit *both OMR Answer Sheet and Question Booklet* at the end of the Test.
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

[ उपर्युक्त निर्देश हिन्दी में अन्तिम आवरण-पृष्ठ पर दिये गये हैं। ]

Total No. of Printed Pages : 16

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FOR ROUGH WORK

(Ag) 2017

## Research Entrance Test – 2017

No. of Questions : 50

Time : 2 Hours

Full Marks : 200

- Note :** (i) This Question Booklet contains **40** Multiple Choice Questions followed by **10** Short Answer Questions.
- (ii) Attempt as many MCQs as you can. Each MCQ carries **3 (Three)** marks. **1 (One)** mark will be deducted for each incorrect answer. **Zero** mark will be awarded for each unattempted question. If more than **one** alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one.
- (iii) Answer only **5** Short Answer Questions. Each question carries **16 (Sixteen)** marks and should be answered in **150-200** words. Blank **5 (Five)** pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

1. Which lime is referred to as quick lime ?  
(1) CaO                      (2) Ca(OH)<sub>2</sub>                      (3) CaMg(CO<sub>3</sub>)<sub>2</sub>                      (4) CaCO<sub>3</sub>
2. Ooze test is done to detect :  
(1) Bacterial disease                      (2) Fungal disease  
(3) Viral disease                      (4) All of these
3. For test of goodness of fit, which statistical test is applied ?  
(1) ' $\chi^2$ ' test                      (2) 'F' test                      (3) 'Z' test                      (4) 't' test
4. Farm management is an :  
(1) Intra-farm science                      (2) Inter-farm science  
(3) Inter-regional farm science                      (4) International farm science
5. The term "Ever Green Revolution" was given by :  
(1) R. S. Paroda                      (2) V. L. Chopra  
(3) Norman Borloug                      (4) M. S. Swaminathan
6. "Operation flood" is related to :  
(1) Rice                      (2) Fish                      (3) Milk                      (4) Oilseeds
7. During prophase-I of meiosis crossing over occurs at :  
(1) Zygotene                      (2) Pachytene                      (3) Diplotene                      (4) Diakinesis
8. Larva of butterfly is known as :  
(1) Grub                      (2) Nymph                      (3) Catterpillar                      (4) Maggot
9. Marginal product is ratio of :  
(1) Input-Output                      (2) Output-Input                      (3) Cost-Income                      (4) Price-Income
10. Mendel did not work on which of the following ?  
(1) Plant height in pea                      (2) Seed colour in pea  
(3) Pod number in pea                      (4) Pod size in pea

11. For a given dynamic econometric model, the long run impact of a unit change in  $X_t$  can be known by :
- (1) Summing all the regression coefficients
  - (2) The constant
  - (3) Sum of constant and partial derivatives
  - (4) Any one regression coefficient
12. Probit and Logit models are estimated using :
- (1) MLE
  - (2) OLS
  - (3) GLS
  - (4) WLS
13. Which of the following comes under multivariate analysis ?
- (1) Tobit analysis
  - (2) Discriminant analysis
  - (3) Maximum likelihood estimate
  - (4) Weighted Least Squares
14. Incremental capital output ratio is equal to :
- (1)  $I/\Delta Y$
  - (2)  $\Delta I/K$
  - (3)  $K/Y$
  - (4)  $\Delta K/Y$
15. Quasi rent is opportunity cost of a :
- (1) Fixed factor of production
  - (2) Variable factor of production
  - (3) Semi-fixed factor of production
  - (4) Semi-variable factor of production
16. According to quantity theory of money :
- (1)  $PT = MV + M'V'$
  - (2)  $P = M'V'/PT$
  - (3)  $T = MV + M'V'$
  - (4)  $M = TV$
17. Multiplier can be expressed as :
- (1)  $1/MPC$
  - (2)  $1/(MPS+MPC)$
  - (3)  $1/MPS$
  - (4)  $MPC + MPS$

18. The theory of revealed preference was given by :
- (1) Alfred Marshall (2) Leon Walrus  
(3) Adam Smith (4) Paul Samuelson
19. When marginal product is zero, the total product is :
- (1) Minimum (2) Maximum  
(3) Zero (4) Equal to average product
20. Elasticity of production in the second stage of production is :
- (1) Less than one (2) Greater than one  
(3) Negative (4) Equal to two
21. When average variable cost is minimum, it is equal to :
- (1) Average fixed cost (2) Average cost  
(3) Marginal cost (4) Total cost
22. The line passing through the least cost points on isoquant map is called :
- (1) Ridge line (2) Price line  
(3) Expansion path (4) Income line
23. The appropriate sampling method for a heterogeneous population is :
- (1) Simple random sampling (2) Random sampling  
(3) Cluster sampling (4) Stratified sampling
24. A single value representing an unknown population parameter is called :
- (1) Point estimate (2) Interval estimate  
(3) Parameter (4) Estimator
25. The inference about population on the basis of information of its sample is called :
- (1) Deductive inference (2) Perfect inference  
(3) Inductive inference (4) Population inference

26. Identification of an econometric model means identification of :
- (1) Each equation of the model                      (2) Few equation of the model  
(3) First equation of the model                      (4) Last equation of the model
27. A good estimator should have :
- (1) High variance    (2) Unbiasedness  
(3) Maximum mean squares error                      (4) All the above
28. The optimal solution of dual problem is also obtained in the ..... iteration of the solution of its primal :
- (1) First    (2) Second  
(3) Third    (4) Last
29. The variable included in a constraint to convert the greater or equal to condition into equal to is called :
- (1) Artificial variable                                      (2) Slack variable  
(3) Surplus variable    (4) None of the above
30. The solution which satisfies all the constraints is called :
- (1) Optimal    (2) Feasible  
(3) Unbounded    (4) No solution
31. Support prices of agricultural commodities are recommended by :
- (1) NAFED                      (2) ICAR                      (3) SAU                      (4) CACP
32. When marketed surplus is greater than marketable surplus then the situation is known as :
- (1) Market efficiency                                      (2) Market integration  
(3) Distress sale    (4) Duopoly market
33. Which one of the following is probabilistic in nature ?
- (1) PERT                      (2) CPM                      (3) LP                      (4) BEP

34. NABARD was established in the year :
- (1) 1994 (2) 1982  
(3) 1965 (4) 1957
35. Prime Minister Crop Insurance Scheme came into existence in :
- (1) 2016 (2) 2010  
(3) 1995 (4) 1985
36. Central cooperative banks normally operate at :
- (1) Village level (2) District level  
(3) State level (4) Country level
37. In which year a large number of commercial banks were nationalized ?
- (1) 1968 (2) 1969  
(3) 1979 (4) 1982
38. Price determination under bilateral monopoly takes place through :
- (1) Intersection of MRP and MC  
(2) Intersection of MRP and ME  
(3) Intersection of MVP and ME  
(4) Negotiation
39. Returns to scale can be known by summing of :
- (1) Elasticities (2) Coefficients  
(3) Price ratio (4) Marginal products
40. Relative income hypothesis was given by :
- (1) Ando and Modigliani (2) Duesenberry  
(3) Adam Smith (4) J. M. Keynes



*Attempt any five questions. Write answer in 150-200 words. Each question carries 16 marks. Answer each question on separate page, after writing Question Number.*

1. What is the problem of identification in econometrics ?
2. Discuss stratified random sampling.
3. Enumerate the assumptions of linear programming.
4. Illustrate Internal Rate of Return
5. What do you mean by market integration ?
6. Discuss 'Surplus Vale' as propounded by Karl Marx.
7. Differentiate between embodied and disembodied technical change.
8. What is inflationary gap ?
9. Discuss reasons for non-repayment of Agricultural loans.
10. Explain the law of equimarginal returns.

Roll No. : .....

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Q. No. :

Roll No. : .....

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