

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 10 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 page 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.

Total No. of Printed Pages : 15

FOR ROUGH WORK

Research Entrance Test – 2013

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. One Horse Power (HP) is expressed in term of watt which is
(1) 720 (2) 786 (3) 746 (4) None of these
2. Number of segments present in insect head is :
(1) Two (2) Four (3) Six (4) Seven
3. Deficiency symptom of sulphur first appears an :
(1) Younger leaves (2) Older leaves
(3) Middle leaves (4) None of these
4. Protein content in lentil is :
(1) 18% (2) 25% (3) 16% (4) 20%
5. Demonstration showing how to do things is called
(1) Method demonstration (2) Result demonstration
(3) Training (4) Frontline demonstration
6. Dithane M-45 is a :
(1) Bactericide (2) Insecticide (3) Fungicide (4) Nematicide
7. Jamunapari is a breed of :
(1) Cow (2) Goat
(3) Buffalo (4) None of the above
8. Select the correct formula of urea
(1) $H_2NCO_2NH_2$ (2) $HNCONH$
(3) H_2NCONH_2 (4) H_4NCONH_4
9. The measure of central tendency is
(1) Median (2) Mode
(3) Mean (4) All of the above
10. On which of the following plant Gregor Mendal perform his classical experiment ?
(1) Gram (2) Maize (3) Pea (4) Rice

- 11.** Lectures for students without gowns are called :
- (1) Formal education (2) Non formal education
(3) Informal education (4) Open education
- 12.** The dependent trainee expects the trainer to be :
- (1) The Expert (2) The contributor
(3) The facilitator (4) The Co-learner
- 13.** "The average human being inherently dislikes and will avoid it if he can" an assumption about human nature proposed in :
- (1) Theory of "X" management philosophy
(2) Theory of "Z" Management philosophy
(3) Theory of "Y" Management philosophy
(4) Theory of "W" Management philosophy
- 14.** As per report of National Commission on Farmers the potential of ICT will be harnessed by establishing :
- (1) Gyan Choupal (2) e-Chooupal
(3) m-Choupal (4) Choupal
- 15.** Telephone is the example of :
- (1) Interpersonal communication (2) Group communication
(3) Medio communication (4) Mass communication
- 16.** Which of the following is best criteria for choosing teaching aid ?
- (1) Attractive and colorful (2) Easy to use
(3) Learner specific relevant to content (4) Made by teachers themselves
- 17.** You cannot do everything and the employee needs to take ownership of the job, the type of leadership is expressed by the situation :
- (1) Autocratic (2) Democratic
(3) Laissez-faire (4) Participative

18. Channel of interpersonal communication is :
- (1) Speech (2) Telephone (3) Radio (4) Print
19. Percentage of seats held by women in local decision making bodies is an example of :
- (1) Legal empowerment (2) Political empowerment
(3) Social empowerment (4) Economic empowerment
20. Fixity of relationship between cause and effect and the stability of positive factors themselves indicate the characteristics of scientific method :
- (1) Predictability (2) Verifiability
(3) Objectivity (4) Generality
21. Compass or Radar of a researcher is :
- (1) Hypothesis (2) Variable
(3) Research design (4) Measurement
22. Photojournalists take photos for :
- (1) Telling a story (2) A picture of a place, person etc.
(3) Making iconic model (4) Making analogue model
23. When the universe and complete source list are not clearly defined and not available the following method of sampling is very suited :
- (1) Self selected sampling (2) Quota sampling
(3) Multistage sampling (4) Convenience sampling
24. The distance between first quartile and third quartile indicates a range of measurement :
- (1) 50% of the items (2) 25% of the items
(3) 60% of the items (4) 75% of the items
25. Extreme values have no effect on :
- (1) Average (2) Geometric mean
(3) Median (4) Harmonic mean

- 26.** If the grouped data have open end classes one can not calculate :
- (1) Median (2) Mode
(3) Mean (4) Quartile
- 27.** Research design is to :
- (1) Maximise the variance of the variables
(2) Minimise the variance of variables
(3) Neutralise the variance of variables
(4) Nullify the variance of variables
- 28.** The most important difference between ex-post-facto and experimental research is :
- (1) Non manipulative
(2) Non random assignment
(3) No-control
(4) Control
- 29.** Agropedia was launched as a part of :
- (1) NATP project (2) NAIP Project
(3) IVLP Project (4) ATMA project
- 30.** Ratio measurement has :
- (1) Absolute zero (2) Arbitrary zero
(3) No zero (4) Infinity
- 31.** The data obtained through ordinal scale is best suited for :
- (1) Parametric test
(2) Non parametric tests
(3) Parametric and non parametric tests
(4) Higher order mathematical tests

- 32.** Isomorphism is obtained when :
- (1) There is complete similarity between theoretical and operational definition
 - (2) Theoretical definition is having wider scope than the operational definition
 - (3) Operational definition is having wider scope than the theoretical definition
 - (4) Theoretical and operational definition are having a part of it
- 33.** The range of simple correlation coefficient is :
- (1) 0 to 1
 - (2) 0 to infinity
 - (3) -1 to 1
 - (4) -0 to infinity
- 34.** Media organizations want to have audience reactions through pre-testing their materials known as :
- (1) Feedback
 - (2) Feed-front
 - (3) Multiplicative response
 - (4) Immediate response
- 35.** The T-Group training is known as :
- (1) Laboratory training
 - (2) Business games
 - (3) Simulation
 - (4) Microlab
- 36.** Which of the following is a method that is commonly used in qualitative research ?
- (1) Structured observation
 - (2) Survey
 - (3) Self completion questionnaire
 - (4) Ethnography
- 37.** When various aspects of culture in society change at unequal rates, the situation will be explained by the theory of :
- (1) Social change
 - (2) Globalization
 - (3) Sankritization
 - (4) Cultural lag
- 38.** Philosophy of extension is directed towards :
- (1) Requesting rural people
 - (2) Persuading rural people
 - (3) Helping rural people
 - (4) Educating rural people

39. Trustworthiness and competence are the elements of :
- | | |
|-----------------|-----------------|
| (1) Empathy | (2) Fidelity |
| (3) Interaction | (4) Credibility |

40. Programme planning is :
- | | |
|------------------------|------------------------|
| (1) One time process | (2) Two time process |
| (3) Three time process | (4) Continuous process |

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. Bias and prejudices are complicating factors in all sciences, but their importance is much less in physical sciences than in the social sciences - Explain.
2. Non-formal education is a reinforcement of the existing dependent relationship perpetuated by western elite - Justify.
3. The world is becoming smaller with the connectivity and is being used to educate farmers economically - Justify.
4. Explore critical factors for success of ICT in extension services.
5. Analyze research design as variance control.
6. Suggest an extension system for better extension service.
7. I want both of you to solve the problem. Analyse the situation.
8. Adoption of high yielding varieties is uneven in the country. Justify the statement.
9. If you are appointed as SMS in KVK and you have to start a development programme for a village, how will you proceed ?
10. Rupee value in income statement may likely to run into a loss for undertaking a project but, if the same items are viewed in the context of social accounting the situation is reversed and the loss may found to be a profit. Explain.

Roll No. :

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FOR ROUGH WORK

