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# UGC

## NET/JRF/SET

# TEACHING & RESEARCH APTITUDE

**(GENERAL PAPER-I)**

Editorial Board  
PRATIYOGITA DARPAN

 **UPKAR'S**  
**UGC**  
**NET/JRF/SET**  
**Teaching &**  
**Research Aptitude**  
**(General Paper-I)**  
*(According to the Latest Pattern)*

*Editorial Board*  
*Pratiyogita Darpan*

**2018**

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# General Information

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On behalf of UGC, the Central Board of Secondary Education will conduct **National Eligibility Test (NET)** for determining the eligibility of Indian Nationals for the Eligibility for Assistant Professor only or **Junior Research Fellowships (JRF)** and **Eligibility for Assistant Professor Both** in Indian Universities and Colleges.

The award of JRF and Eligibility for Assistant Professor both OR Eligibility for Assistant Professor only will depend on the performance of the candidate in **all the three papers of NET**. However, the candidates qualifying exclusively for Assistant Professor will not be considered for award of JRF. Candidates appearing in NET should clearly specify in the prescribed Application Form whether they are applying for both JRF & Eligibility for Assistant Professor both OR only for Eligibility for Assistant Professor. Candidates who qualify the Test for eligibility for Assistant Professor will be governed by the rules and regulations for recruitment of Assistant Professor of the concerned universities/colleges/state governments, as the case may be.

**The candidates who qualify for the award of Junior Research Fellowship are eligible to pursue research in the subject of their Post Graduation or in a related subject and are also eligible for Assistant Professor. The universities, institutions, IITs and other national organizations may select the JRF awardees for whole time research work in accordance with the procedure prescribed by them.**

Scheduled Castes (SC)/Scheduled Tribes (ST)/Persons with disability (PWD)/Other Backward Classes OBC (Non-creamy Layer), as per the central list of Other Backward Classes available on National Commission for Backward Classes (NCBC), Government of India website : [www.ncbc.nic.in](http://www.ncbc.nic.in), candidates will be given such special concession as may be decided by the UGC.

## JUNIOR RESEARCH FELLOWSHIP

Candidates qualifying for the award of Junior Research Fellowship will be eligible to receive fellowship of UGC under various schemes, subject to

their finding placement in universities/IITs/institutions. The validity period of the offer is two years *w.e.f.* the date of issue of JRF Award Letter. However, in case the candidates who have already joined M. Phil/ Ph.D., the date of commencement of fellowship shall be from the date of declaration of NET result or date of their joining, whichever is later.

## CONDITIONS OF ELIGIBILITY

(i) Candidates who have secured at least 55% marks (without rounding off) in Master's Degree (or) equivalent examination from universities/ institutions recognized by UGC in Humanities (including languages) and Social Science, Computer Science & Applications, Electronic Science etc. are eligible for this Test. The Other Backward Classes (OBC) belonging to non-creamy layer/Scheduled Caste (SC)/Scheduled Tribes (ST)/Persons with disability (PWD) category candidates who have secured at least 50% marks (without rounding off) in Master's degree or equivalent examination are eligible for this Test.

(ii) Candidates who have appeared **OR** will be appearing at the qualifying Master's degree (final year) examination and whose result is still awaited **OR** candidates whose qualifying examinations have been delayed may also apply for this Test. However, such candidates will be admitted provisionally and shall be considered eligible for award of JRF/Eligibility for Assistant Professor only after they have passed their Master's degree examination or equivalent with at least 55% marks (50% marks in case of OBC (Non-creamy layer)/ SC/ST/PWD (Persons with disability) category candidates. **Such candidates must complete their P.G. degree/examination within two years from the date of NET result with required percentage of marks, failing which they will be treated as disqualified.**

(iii) The Ph.D. degree holders whose Master's level examination had been completed by 19th September, 1991 (irrespective of date of declaration of result) shall be eligible for a relaxation of 5% in aggregate marks (*i.e.*, from 55% to 50%) for appearing in NET.

(iv) **Candidates are advised to appear in the subject of their Post Graduation only.** The candidates whose Post Graduation subject is not covered in the list of NET subjects, may appear in a related subject.

(v) **Candidates are neither required to send any certificates/documents in support of their eligibility nor printout of their Application Form (Confirmation Page) to CBSE.** However the candidates, in their own interest, must satisfy themselves about their eligibility for the Test. In the event of any ineligibility being detected by the UGC/CBSE at any stage, their candidature will be cancelled and they shall be liable for legal action.

(vi) Candidates having postgraduate diploma/certificate awarded by Indian University/Institute or foreign degree/diploma/certificate awarded by the foreign University/Institute should in their own interest, ascertain the equivalence of their diploma/degree/certificate with Master's degree of recognized Indian universities from Association of Indian Universities (AIU), New Delhi. ( www.aiuweb. org )

### AGE LIMIT & RELAXATION

**(a) FOR JUNIOR RESEARCH FELLOWSHIP** : Not more than 28 years as on stipulated date. A relaxation upto 5 years is provided to the candidates belonging to OBC (Non-creamy layer, as per the Central list of OBC available on website : www.ncbc.nic.in)/SC/ST/PWD categories and to women applicants. Relaxation will also be provided to the candidates having research experience, limited to the period spent on research in the relevant/related subject of Post Graduation degree, subject to a maximum of 5 years, on production of a certificate from appropriate authority. Three years' relaxation in age will be permissible to the candidates possessing LL.M. Degree. Total age relaxation on the above ground(s) shall not exceed five years under any circumstances.

**(b) Assistant Professor** : There is no upper age limit for applying for eligibility for Assistant Professor.

### EXEMPTION (ELIGIBILITY FOR ASSISTANT PROFESSOR)

(i) NET/SLET/SET shall remain the minimum eligibility condition for recruitment and appointment of Assistant Professors in Universities/Colleges/Institutions. In this regard exemption from NET-SET/SLET will be governed by UGC regulations and amendments notified in the Gazette of India from time to time.

(ii) The candidates who have passed the UGC/CSIR JRF examination prior to 1989 are also exempted from appearing in NET.

(iii) **For SET Candidates:** The candidates who have cleared the State Eligibility Test (SET) accredited by UGC for eligibility for Assistant Professor held prior to 1st Dec. 2002, are exempted from appearing in NET, being eligible to apply for Assistant Professor anywhere in India. For SET held from 1st Dec. 2002 onwards, the qualified candidates are eligible to apply for the post of Assistant Professor only in the universities/ colleges situated in the state from where they have cleared their SET.

### SCHEME AND SYLLABUS OF TEST

(i) The Test will consist of three papers. All the three papers will consist of only objective type questions and will be held on the day of examination in three separate sessions as under :

Session	Paper	Marks	Duration
First	I	50 × 2 = 100	1 $\frac{1}{4}$ Hours (9.30 A.M. to 10.45 A.M.) IST
Second	II	50 × 2 = 100	1 $\frac{1}{4}$ Hours (11.15 A.M. to 12.30 (P.M.) IST
Third	III	75 × 2 = 150	2 $\frac{1}{2}$ Hours (2.00 P.M. to 4.30 P.M.) IST

**Paper-I** shall be of general nature, intended to assess the teaching/research aptitude of the candidate. It will primarily be designed to test reasoning ability, comprehension, divergent thinking and general awareness of the candidate. The paper shall consist of 50 Objective Type Compulsory Question and each Question will carry 2 marks.

**Paper-II** shall consist of 50 objective type compulsory questions based on the subject selected by the candidate. Each question will carry 2 marks.

**Paper-III** will consist of 75 objective type compulsory questions from the subject selected by the candidate. Each question will carry 2 marks.

All the questions of Paper-II and Paper-III will be compulsory, covering entire syllabus (including all electives, without options).

The candidates will have to mark their responses for questions Paper-I, II and III on the Optical Mark Reader (OMR) sheet provided alongwith the Test Booklet.

### PROCEDURE & CRITERIA FOR DECLARATION OF RESULT

This will comprise of following steps :

**Step I** : The candidates are required to obtain minimum marks separately in Paper-I, Paper-II and

Paper-III for considering a candidate for the award of JRF and eligibility for Assistant Professor as given below :

Category	Minimum Marks (%) to be Obtained		
	Paper-I	Paper-II	Paper-III
General	40% aggregate marks in all the three papers taken together		
OBC (Non-creamy layer)/PWD/SC/ST	35% aggregate marks in all the three papers taken together		

**Step II :** Amongst those candidates who have appeared in all three papers and cleared step I, a merit list will be prepared subject-wise and category-wise using the aggregate marks of all the three papers secured by such candidates.

**Step III :** The number of slots for eligibility for Assistant Professor only will be equal to the 6% of the candidates appeared in all three papers of NET. The subject-wise and category-wise distribution of slots will be calculated by using the similar formula as used for calculation slots of JRF as mentioned on the next page.

**Step IV :** A separate merit list for the award of JRF will be prepared from amongst the NET qualified candidates figuring in the merit list prepared under step III. by using the formula mentioned below :

No. of slots under General (UR) category for JRF in a subject—	$\frac{\text{No. of candidates who have opted for JRF and are qualified for eligibility for Assistant Professor in that subject} \times \text{No. of slots available under General (UR) category}}{\text{Total No. of General (UR) candidates who have opted for JRF and are qualified for eligibility for Assistant Professor}}$
--	---

Similar formula will be used for OBC/SC/ST category and all the subjects.

**It may be noted that the above qualifying criteria decided by UGC/CBSE is final and binding.**

## PROVISIONS FOR PERSONS WITH DISABILITY (INCLUDING VISUALLY CHALLENGED CANDIDATES) HAVING 40% OR MORE DISABILITY

(i) Twenty five minutes compensatory time shall be provided for Paper – I and Paper – II separately. For paper – III, fifty minutes compensatory time shall be provided.

(ii) In no circumstances will they be allowed the help of a scribe to mark the answers for them. However, Low Vision candidates (minimum 40% impairment) will be allowed to write the examination with the help of a scribe. **There is no provision of Test Booklets in Braille for visually impaired candidates.**

(iii) The candidates with disability should fill in the percentages and type of disability correctly in the online application form of NET November, 2017. The type of disabilities are mentioned as below:

- blindness and low vision
- deaf and hard of hearing
- locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy
- autism, intellectual disability, specific learning disability and mental illness;
- Multiple disabilities from amongst persons under clauses (a) to (d) including deaf-blindness in the posts identified for each disabilities.

(iv) An amount of ₹ 1000 (Rs. One thousand only) will be paid to the scribe by the Centre Superintendent on the day of examination for all papers.

## SUBJECT & SYLLABUS OF TEST

All questions of Paper-II and Paper-III will be compulsory, covering entire syllabus (including all electives, without options).

Syllabi for all NET subjects can be downloaded from the UGC Website [www.ugc.ac.in](http://www.ugc.ac.in) and are also available in the libraries of all Indian Universities. **CBSE will not send the syllabus to individual candidates.**

**SUBJECTS**

The list of NET subjects along with their respective codes is as given below :

Subject Code	Name of the Subject	Subject Code	Name of the Subject
01	Economics	55	Labour Welfare/Personnel Management/ Industrial Relations/Labour and Social Welfare/Human Resource Management
02	Political Science		
03	Philosophy	58	Law
04	Psychology	59	Library and Information Science
05	Sociology	60	Buddhist, Jaina, Gandhian and Peace Studies
06	History	62	Comparative Study of Religions
07	Anthropology	63	Mass Communication and Journalism
08	Commerce	65	Dance
09	Education	66	Museology & Conservation
10	Social Work	67	Archaeology
11	Defence and Strategic Studies	68	Criminology
12	Home Science	70	Tribal and Regional Language/Literature
14	Public Administration	71	Folk Literature
15	Population Studies*	72	Comparative Literature
16	Hindustani Music (Vocal/Instrumental)	73	Sanskrit Traditional Subjects (including Jyotisha/Sidhanta Jyotisha/Navya Vyakarna/Vyakarna/Mimamsa/Navya Nyaya/Sankhya Yoga/Tulanatmaka Darsana/Shukla Yajurveda/Madhva Vedanta/Dharma Sastra/Sahitya/Purana-Itihasa/Agama/Advaita Vedanta).
17	Management	74	Women Studies **
18	Maithili	79	Visual Arts (including Drawing & Painting/Sculpture Graphics/Applied Art/History of Art)
19	Bengali	80	Geography
20	Hindi	81	Social Medicine & Community Health
21	Kannada	82	Forensic Science
22	Malayalam	83	Pali
23	Odia	84	Kashmiri
24	Punjabi	85	Konkani
25	Sanskrit	87	Computer Science and Applications
26	Tamil	88	Electronic Science
27	Telugu	89	Environmental Sciences
28	Urdu	90	International and Area Studies
29	Arabic	91	Prakrit
30	English	92	Human Rights and Duties
31	Linguistics	93	Tourism Administration and Management
32	Chinese	94	Bodo
33	Dogri	95	Santali
34	Nepali	96	Karnatik Music (Vocal, Instrument, Percussion)
35	Manipuri	97	Rabindra Sangeet
36	Assamese	98	Percussion Instrument
37	Gujarati	99	Drama/Theatre
38	Marathi	100	Yoga
39	French		
40	Spanish		
41	Russian		
42	Persian		
43	Rajasthani		
44	German		
45	Japanese		
46	Adult Education//Continuing Education/ Andragogy/Non-Formal Education		
47	Physical Education		
49	Arab Culture and Islamic Studies		
50	Indian Culture		

\* The candidates with Master's Degree in Geography (with specialization in Population Studies) or Mathematics/Statistics are also eligible to appear in the subject 'Population Studies' (Code No. 15).

\*\* The candidates with Master's Degree in Humanities (including languages) and Social Sciences are eligible to appear in the subject 'Women Studies' (Code 74).

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# Syllabus

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The main objective is to assess the teaching and research capabilities of the candidates. Therefore, the test is aimed at assessing the teaching and general/research aptitude as well as their awareness. They are expected to possess and exhibit cognitive abilities. Cognitive abilities include comprehension, analysis, evaluation, understanding the structure of arguments and deductive and inductive reasoning. The candidates are also expected to have a general awareness and knowledge of sources of information. They should be aware of interaction between people, environment and natural resources and their impact on quality of life. The details are given in the following sections—

*Note*— (i) Each section gets equal weightage : five questions and 10 marks from each section.

(ii) Whenever pictorial questions are set for the sighted candidates a passage followed by equal number of questions should be set for the visually handicapped candidates.

## **I. Teaching Aptitude—**

- \* Teaching : Nature, objectives, characteristics and basic requirements.
- \* Learner's characteristics.
- \* Factors affecting teaching.
- \* Methods of teaching.
- \* Teaching aids.
- \* Evaluation systems.

## **II. Research Aptitude—**

- \* Research : Meaning, characteristics and types.
- \* Steps of research.
- \* Methods of research.
- \* Research Ethics.
- \* Paper, article, workshop, seminar, conference and symposium.
- \* Thesis writing : its characteristics and format.

## **III. Reading Comprehension—**

- \* A passage to be set with questions to be answered.

## **IV. Communication—**

- \* Communication : Nature, characteristics, types, barriers and effective classroom communication.

## **V. Reasoning (Including Mathematical)—**

- \* Number series, letter series, codes.
- \* Relationships, classification.

## **VI. Logical Reasoning—**

- \* Understanding the structure of arguments.
- \* Evaluating and distinguishing deductive and inductive reasoning.

- \* Verbal analogies : Word analogy—Applied analogy.

- \* Verbal Classification.

- \* Reasoning Logical Diagrams : Simple diagrammatic relationship, multidiagrammatic relationship.

- \* Venn diagram, Analytical Reasoning.

## **VII. Data Interpretation—**

- \* Sources, acquisition and interpretation of data.

- \* Quantitative and qualitative data.

- \* Graphical representation and mapping of data.

## **VIII. Information and Communication Technology (ICT)—**

- \* ICT : meaning, advantages, disadvantages and uses.

- \* General abbreviations and terminology.

- \* Basics of internet and e-mailing.

## **IX. People and Environment—**

- \* People and environment interaction.

- \* Sources of pollution.

- \* Pollutants and their impact on human life, exploitation of natural and energy resources.

- \* Natural hazards and mitigation.

## **X. Higher Education System : Governance, Polity and Administration—**

- \* Structure of the institutions for higher learning and research in India, formal and distance education, professional/technical and general education, value education, governance, polity and administration, concept, institutions and their interactions.

## SAMPLE QUESTIONS

### I. Teaching Aptitude—

1. Which one of the following is the main objective of teaching ?  
(A) To give information related to the syllabus  
(B) To develop thinking power of students  
(C) To dictate notes to students  
(D) To prepare students to pass the examination  
Key : (B)
2. Which one of the following is a good method of teaching ?  
(A) Lecture and Dictation  
(B) Seminar and Project  
(C) Seminar and Dictation  
(D) Dictation and Assignment  
Key : (B)
3. Teacher uses teaching aids for—  
(A) Making teaching interesting  
(B) Making teaching within understanding level of students  
(C) Making students attentive  
(D) The sake of its use  
Key : (B)
4. Effectiveness of teaching depends on—  
(A) Qualification of teacher  
(B) Personality of teacher  
(C) Handwriting of teacher  
(D) Subject understanding of teacher  
Key : (D)
5. Which of the following is not characteristic of a good question paper ?  
(A) Objectivity  
(B) Subjectivity  
(C) No use of vague words  
(D) Reliable  
Key : (B)

### II. Research Aptitude—

1. A researcher is generally expected to—  
(A) Study the existing literature in a field  
(B) Generate new principles and theories  
(C) Synthesize the ideas given by others  
(D) Evaluate the findings of a study  
Key : (B)
2. One of the essential characteristics of research is—  
(A) Replicability (B) Generalizability  
(C) Usability (D) Objectivity  
Key : (D)
3. The Government of India conducts Census after every 10 years. The method of research used in this process is—  
(A) Case study (B) Developmental  
(C) Survey (D) Experimental  
Key : (C)

4. An academic association assembled at one place to discuss the progress of its work and future plans. Such an assembly is known as a—  
(A) Conference (B) Seminar  
(C) Workshop (D) Symposium  
Key : (A)
5. An investigator studied the census data for a given area and prepared a writeup based on them. Such a writeup is called—  
(A) Research paper (B) Article  
(C) Thesis (D) Research report  
Key : (B)

### III. Reading Comprehension—

Read the following passage and answer the question Nos. 1 to 5.

The Constitution guarantees every citizen the fundamental right to equality. Yet after 50 years of independence, just one perusal of the female infant mortality figures, the literacy rates and the employment opportunities for women is sufficient evidence that discrimination exists. Almost predictably, this gender bias is evident in our political system as well. In the 13th Lok Sabha, there were only 43 women MPs out of a total of 543, it is not a surprising figure, for never has women's representation in Parliament been more than 10 per cent.

Historically, the manifestos of major political parties have always encouraged women's participation. It has been merely a charade. So, women's organizations, denied a place on merit, opted for the last resort, a reservation of seats for women in parliament and State Assemblies. Parties, which look at everything with a vote bank in mind, seemed to endorse this. Alas, this too was a mirage.

But there is another aspect also. At a time when caste is the trump card, some politicians want the bill to include further quotas for women from among minorities and backward castes. There is more to it. A survey shows that there is a general antipathy towards the bill. It is actually a classic case of doublespeak : in public, politicians were endorsing women's reservation but in the backrooms of Parliament, they were busy sabotaging it. The reasons are clear : Men just don't want to vacate their seats of power.

1. The problem raised in the passage reflects badly on our—  
(A) Political system  
(B) Social behaviour  
(C) Individual behaviour  
(D) Behaviour of a group of people  
Key : (B)
2. According to the passage, political parties have mostly in mind—  
(A) Economic prosperity  
(B) Vote bank

- (C) People's welfare  
(D) Patriotism Key : (B)
3. "Trump Card" means—  
(A) Trying to move a dead horse  
(B) Playing the card cautiously  
(C) Sabotaging all the moves by others  
(D) Making the final jolt for success Key : (D)
4. The sentence "Men just don't want to vacate their seats of power" implies—  
(A) Lust for power  
(B) Desire to serve the nation  
(C) Conviction in one's own political abilities  
(D) Political corruption Key : (A)
5. What is the percentage of women in the Lok Sabha?  
(A) 10 (B) 7.91  
(C) 43 (D) 9.1 Key : (B)
2. In which of the following ways a theory is not different from a belief ?  
(A) Antecedent—consequent  
(B) Acceptability  
(C) Verifiability  
(D) Demonstratability Key : (B)
3. The statement—"Honesty is the best policy" is—  
(A) A fact (B) A value  
(C) An opinion (D) A value judgement Key : (D)
4. Which one is like pillar, pole and standard ?  
(A) Beam (B) Plank  
(C) Shaft (D) Timber Key : (A)
5. Following incomplete series is presented. Find out the number which should come at the place of question mark which will complete the series—  
4, 16, 36, 64 ?  
(A) 300 (B) 200  
(C) 100 (D) 150 Key : (C)

#### IV. Communication—

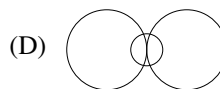
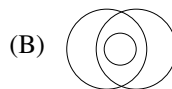
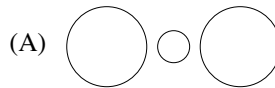
1. Informal communication network within the organization is known as—  
(A) Interpersonal Communication  
(B) Intrapersonal Communication  
(C) Mass Communication  
(D) Grapevine Communication Key : (D)
2. TV Channel launched for covering only Engineering and Technology subjects is known as—  
(A) Gyan Darshan (B) Vyas  
(C) Eklavya (D) Kisan Key : (C)
3. In which state the maximum number of periodicals are brought out for public information ?  
(A) Uttar Pradesh (B) Tamil Nadu  
(C) Kerala (D) Punjab Key : (C)
4. The main objective of public broadcasting system *i.e.*, Prasar Bharti is—  
(A) Inform, Entertainment & Education  
(B) Entertain, Information & Interaction  
(C) Educate, Interact & Entertain  
(D) Entertainment only Key : (A)
5. The competency of an effective communicator can be judged on the basis of—  
(A) Personality of communicator  
(B) Experience in the field  
(C) Interactivity with target audience  
(D) Meeting the needs of target audience Key : (D)

#### V. Reasoning (Including Mathematical)—

1. Which one of the following belongs to the category of homogeneous data ?  
(A) Multi-storeyed houses in a colony  
(B) Trees in a garden  
(C) Vehicular traffic on a highway  
(D) Student population in a class Key : (A)

#### VI. Logical Reasoning—

1. The following question is based on the diagram given below. If the two big circles represent animals living on soil and those living in water and the small circle stands for the animals who both live on soil and in water, which figure represents the relationships among them ?



Key : (B)

2. Of the following statements, there are two statements both of which cannot be true but both can be false. Which are these two statements ?  
(i) All machines make noise  
(ii) Some machines are noisy  
(iii) No machine makes noise  
(iv) Some machines are not noisy  
(A) (i) and (ii) (B) (iii) and (iv)  
(C) (i) and (iii) (D) (ii) and (iv) Key : (C)
3. In the following question a statement is followed by two assumptions (i) and (ii). An assumption is

something supposed or taken for granted. Consider the statement and the following assumptions and decide which of the following assumptions is implicit in the statement ?

**Statement :** We need not worry about errors but must try to learn from our errors.

**Assumptions :** (i) Errors may take place when we are carrying out certain work.

(ii) We are capable of benefiting from the past and improve our chances of error-free work.

(A) Only assumption (i) is implicit

(B) Only assumption (ii) is implicit

(C) Either assumption (i) or (ii) is implicit

(D) Both the assumptions are implicit Key : (D)

4. The question below is followed by two arguments numbered (i) and (ii). Decide which of the arguments is 'strong' and which is 'weak'. Choose the correct answer from the given below—

(A) (B) (C) (D)

Should the press exercise some self-restraint ?

(i) Yes, they should not publish news items which may incite the readers to indulge in wrong practices.

(ii) No, it is the responsibility of the press to present the truth irrespective of the consequences.

(A) Only the argument (i) is strong

(B) Only the argument (ii) is strong

(C) Neither argument (i) nor argument (ii) is strong

(D) Both the arguments (i) and (ii) are strong

Key : (A)

5. Study the argument and the inference drawn from that argument, given below carefully.

**Argument :** Anything that goes up definitely falls down. Helicopter goes up.

**Inference :** So, the helicopter will definitely fall down.

What in your opinion is the inference drawn from the argument ?

(A) Valid (B) Invalid

(C) Doubtful (D) Long drawn one

Key : (D)

### VII. Data Interpretation—

Four students W, X, Y, Z appeared in four papers, I, II, III and IV in a test. Their scores out of 100 are given below—

Students	Papers			
	I	II	III	IV
W	60	81	45	55
X	59	43	51	A
Y	74	A	71	65
Z	72	76	A	68

where 'A' stands for absent.

Read the above table and answer below mentioned questions 1–5.

1. Which candidate has secured between 60–65% marks in aggregate ?

(A) W (B) X

(C) Y (D) Z Key : (A)

2. Who has obtained the lowest average in aggregate ?

(A) W (B) X

(C) Y (D) Z Key : (B)

3. Who has obtained the highest average ?

(A) W (B) X

(C) Y (D) Z Key : (A)

4. In which paper the lowest marks were obtained by the candidates ?

(A) I (B) II

(C) III (D) IV Key : (B)

5. Which candidate has secured the highest percentage in the papers appeared ?

(A) W (B) X

(C) Y (D) Z Key : (D)

### VIII. Information and Communication Technology (ICT)—

1. ICT stands for—

(A) Information common technology

(B) Information and communication technology

(C) Information and computer technology

(D) Inter connected technology Key : (B)

2. Computer can—

(A) Process both quantitative and qualitative information

(B) Store huge information

(C) Process information and fast accurately

(D) All the above Key : (D)

3. Satellite Communication works through—

(A) Radar (B) Transponder

(C) Receptor (D) Transmitter Key : (B)

4. A computer is that machine which works more like a human brain. This definition of computer is—

(A) Correct

(B) Incorrect

(C) Partially correct

(D) None of the above Key : (A)

5. Information and communication technology includes—

(A) E-mail

(B) Internet

(C) Educational television

(D) All the above Key : (D)



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**(Paper-I)**

**UGC-NET/JRF Exam.**

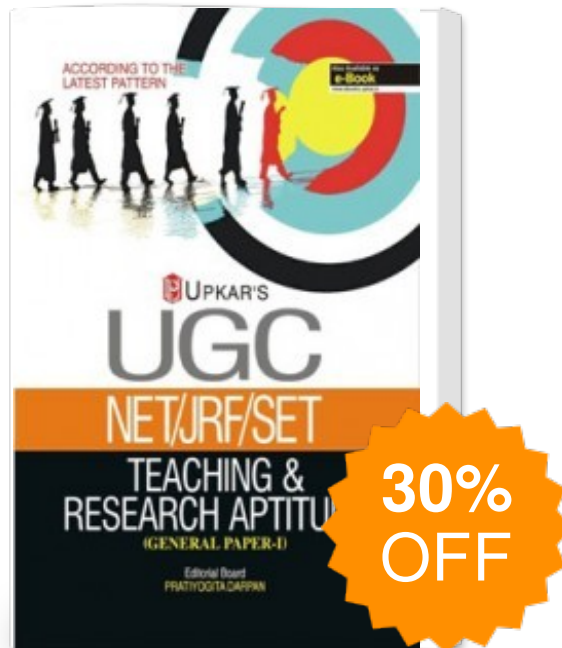
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