JIWAJI UNIVERSITY, GWALIOR CBCS Scheme of Examination M.Sc. (Physics) Fourth Semester June 2017

| Course Code | Course Name | Total Marks | Credit C(i) | End Semester Examination Marks | | Internal Assessment Marks | | Total Obtained | Grade Points | Letter | $SGPA S(4) = \frac{\sum C(i).G(i)}{\sum C(i).G(i)}$ | | |
|--------------------------------------|--|----------------|----------------|--------------------------------|-----|------------------------------|-----|-------------------|-----------------|--------|---|-------|-------------|
| Code | | | | Max | Min | Obtained | Max | Min | Obtained | Marks | G(i) | grade | $\sum C(i)$ |
| PT-401 | Nuclear Physics | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PT-402 | Statistical Mechanics | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PT-403 PT/404 PT/405 PT/406 | Instrumentation Computational methods in Materials Science Biosensor and nanotechnology Electron Correlation and magnetism | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PT-407/ PT-408/ PT-409 | Integrated Electronics or Materials Science – II or Computer Applications in Physics –II | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PL-410 | General Laboratory | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PL-411 PL-412 PL-413 | Electronics Lab/ Project or Material Science Lab/ Project or Computer Lab/ Project | 100 | 3 | 60 | 21 | | 40 | 14 | | | | | |
| PS-414 | Seminar | 100 | 1 | XX | xx | | 100 | 35 | | | | | |
| PA-415 | Assignment | 100 | 1 | XX | XX | | 100 | 35 | | | | | |
| | Sub-total | 800 | 20 | | | | | | | | | | |
| PV-416 | Comprehensive viva-voce (Virtual Credit) | 100 | 4 | 100 | 35 | | xx | XX | | | | | xx |
| | Grand Total | 900 | 24 | | | | | | | | | | |

| Sem. I | | Sem. II | | Sem. III | | Sem. IV | | $CGPA = \sum SC(i).S(i)$ | Result |
|--------|------|---------|------|----------|------|---------|------|---------------------------------|--------|
| SC(1) | S(1) | SC(2) | S(2) | SC(3) | S(3) | SC(4) | S(1) | $\frac{\sum SC(i)}{\sum SC(i)}$ | Result |
| 20 | | 20 | | 20 | | 20 | | | |

PT= Physics Theory, PL=Physics Lab, PS=Physics Seminar, PA=Physics Assignment, PV=Physics Virtual, $SC(j) = \sum C(i)$, SGPA = S(j), $j = j^{th}$ Semester

SGPA = Semester Grade Point Average. CGPA = Cumulative Grade Point Average

| CGPA Scale | 1 st Division With Dist. CGPA | 1 st Division CGPA | 2 nd Division CGPA | Pass division CGPA | Grace | Minimum valid credits required for promotion | No. of subjects | No. of subjects to appear |
|---------------|---|----------------------------------|----------------------------------|-----------------------|------------------|--|-----------------|---------------------------|
| 10.0 | 7.5 or above | 6.0 or above | 5.0 or above | 3.5 or above | As per ordinance | 12 | 9 | 9 |

NB:

A student has to acquire minimum 35% marks i.e. in end semester examination 21 out of 60 and in internal assessment 14 out of 40.

Comprehensive viva-voce (Virtual Credit) will not be added into grade point average.

Grades will be decided by the marks obtained out of 100.

The student will be promoted to the next semester after passing courses equivalent to 12 valid credits.

SGPA = Semester Grade Point Average. CGPA = Cumulative Grade Point Average

Description of grade letter and grade points:

| Letter Grade | Grade | Description | Range of | |
|--------------|--------|---------------|-----------|--|
| | Points | | Marks (%) | |
| 0 | 10 | Outstanding | 90-100 | |
| A+ | 9 | Excellent | 80-89 | |
| Α | 8 | Very good | 70-79 | |
| B+ | 7 | Good | 60-69 | |
| В | 6 | Above Average | 50-59 | |
| С | 5 | Average | 40-49 | |
| Р | 4 | Pass | 35-39 | |
| F | 0 | Fail | 0-34 | |

| Ab | 0 | Absent | Absent |
|----|---|--------|--------|