


ਦਫਤਰ ਪ੍ਰਿੰਸੀਪਲ, ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ ਟਾਂਡਾ ਉੜਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।

ਨੋਟਿਸ

ਮਿਤੀ: 30-10-18

ਕਾਲਜ ਦੇ ਸਮੂਹ ਟੀਚਰ ਸਹਿਬਾਨ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪਣੇ-ਆਪਣੇ ਵਿਸ਼ਿਆਂ ਦੀਆਂ ਉੱਤਰ ਪੱਤਰੀਆਂ ਚੈਕ ਕਰਕੇ ਅਵਾਰਡ ਲਿਸਟਾਂ ਅਤੇ ਇੰਟਰਨਲ ਅਸੈਸਮੈਂਟ ਤਿਆਰ ਕਰਕੇ ਮਿਤੀ 15-11-2018 ਤੱਕ ਰਜਿਸਟਰਾਰ ਘਰੇਲੂ ਪ੍ਰੀਖਿਆਵਾਂ ਪਾਸ ਜਮ੍ਹਾਂ ਕਰਵਾਈਆਂ ਜਾਣ ।

  
Principal  
G.K.S.M. GOVT. COLLEGE  
Tanda Umar (Hoshiarpur)  
ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ,  
ਟਾਂਡਾ ਉੜਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।



TRANSLATED COPY

OFFICE, OF THE PRINCIPAL G.K.S.M.GOV'T, COLLEGE TANDA URMAR (HSP)

Notice

Dated: 30-10-2018

All the faculty members are directed to prepare & submit the award-lists of their papers as well as the internal assessment of their respective classes to Registrar, House Examinations by 15-11-2018 positively.

*Shashi Bala*

Principal,

G.K.S.M.Govt.College,  
Tanda Urmara (HSP)  
G.K.S.M. Govt College  
Tanda

# PANJAB UNIVERSITY, CHANDIGARH

## CLEARANCE CERTIFICATE-MAY,2019

Certified that the Theory and Practical Internal Assessment in respect of the following classes are complete in all respect for the Semester examinations to be held in MAY,2019

Sr.No.	Class Name	Semester	Total
1	B.Sc. Agriculture	2	44
2	B.Sc. Agriculture	4	34
3	B.Sc. Agriculture	6	29
4	Bachelor of Arts	2	268
5	Bachelor of Arts	4	150
6	Bachelor of Arts	6	184
7	Bachelor of Commerce	2	74
8	Bachelor of Commerce	4	60
9	Bachelor of Commerce	6	54
10	Bachelor of Computer Application	4	15
11	Bachelor of Computer Application	6	7
12	Bachelor of Science	2	62
13	Bachelor of Science	4	38
14	Bachelor of Science	6	36

  
Principal  
G. C. Tanda (11/05/19)

Sr.No. Class Name

Semester

Total

Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Theory and Practical Internal Assessment submitted by me are correct and final; no further correction will be made in it.

Name of College: G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9814338551

Email ID: gctandaarmur@gmail.com

Principal

G. C. Vanda (Hpr.)

Signature of Principal with Stamp



497  
6/11/19

**PANJAB UNIVERSITY, CHANDIGARH**  
(Aruna Ranjit Chandra Hall, Computer Unit)

RHE  
Jyoti

From: Prof. Parvinder Singh,  
Controller of Examinations,  
Panjab University, Chandigarh-160014  
Off. (0172)2541825, 2534811, 2534699  
Fax (0172)2783783

To: The Principal/Chairperson/Director,  
\_\_\_\_\_  
\_\_\_\_\_

Ref. No. 2476-2775/Cu/19 Dated 04/11/19

**Subject:** Online submission of Internal Assessment (Theory and Practical) and External Practical Awards for a) **Under-graduate** Courses for 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> Semester b) **Post-graduate** Courses 1<sup>st</sup> & 3<sup>rd</sup> Semester Examination December, 2019.

Dear Sir/Madam,

You are requested to submit the Internal Assessment awards and External Practical Awards online through the University website: [ugexam.puchd.ac.in](http://ugexam.puchd.ac.in) for 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> semester of BA/B.Sc/B.Com/BBA/BCA/B.Ed/BP.Ed/ other classes of **Under-graduate courses** and website: [pgexam.puchd.ac.in](http://pgexam.puchd.ac.in) for 1<sup>st</sup> & 3<sup>rd</sup> Semester of M.A. /M.Sc. /M. Com/M. Ed / MP. Ed/other classes for **Post-graduate courses** as prescribed in the syllabus in all the subjects/papers/options for the session **2019-2020** for Under-graduate/Post-graduate examination December, 2019. These Links on the respective websites are available under College Admin using **User-Id & Password** already given to your college.

It is also informed to you that the University website is open for feeding for all type of awards from **November 15, 2019 to December 16, 2019 (Theory as well as Practical).**

It is informed that no hard copy (print out) of internal Assessment shall be sent by the college to the University. The **Internal Assessment uploaded by the college through University website shall be considered as final.** It is further requested that College has to submit the certificate generated by above said website for UG and PG separately duly signed by the Principal of the College. Thereof all the Principals are requested to kindly instruct your staff for taking necessary care while feeding online data of Internal Assessment. It is further clarified that **neither Internal Assessment on account of any reason shall be accepted nor any revision of Internal Assessment after stipulated dates given by the University.** It is also advised that a copy of Internal Assessment be displayed on the college Notice Board before final submission and certificate in this regard be submitted.

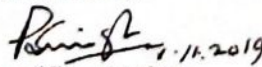
It is also requested that college has to upload the External Practical awards of regular candidates as well as private candidates separately. The Examiner have to prepare the practical award list duly counter signed by the Principal separately for college and private students University Roll Number wise and the same are to be submitted in original to the University. **It is further submitted that the software will not accept Internal Assessment as zero. Only some marks (Minimum marks required keeping in view attendance) or absent will be accepted by the software.**

You are, therefore, requested to submit the Practical External Awards for 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> Semester of BA/B.Sc/B.Com/BBA/BCA/B.Ed/BPEd/ other classes of **Under-graduate courses** and for 1<sup>st</sup> & 3<sup>rd</sup> Semester of M.A. /M.Sc. /M. Com/M. Ed / MP Ed/other classes of **Post-graduate courses** by using the above process in the office of **The System Administrator, Computer Unit, Aruna Ranjit Chandra Hall, Panjab University, Chandigarh from November 15, 2019 to December 16, 2019 between 10.00 a.m. and 4.00 p.m.** Please follow the above instructions strictly.

**It is further informed that All Teachers are required to mention Identity Number issued /released recently via Website :[examiners.puchd.ac.in](http://examiners.puchd.ac.in) for all purposes related to Examination duties to be performed.**

With regards,

Yours sincerely,

  
Controller of Examinations

Help Number for Assistance  
Mobile: 9878059501, Phone No. 0172-2534496  
Email Id: [panjabuniversitycomputerunit@gmail.com](mailto:panjabuniversitycomputerunit@gmail.com)/[mamta@pu.ac.in](mailto:mamta@pu.ac.in)

ਦਫਤਰ ਪਿੰਸੀਪਲ, ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ ਟਾਂਡਾ ਉੜਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।

ਨੋਟਿਸ

ਮਿਤੀ:30-10-19

ਕਾਲਜ ਦੇ ਸਮੂਹ ਟੀਚਰ ਸਹਿਬਾਨ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪਣੇ-ਆਪਣੇ ਵਿਸ਼ਿਆਂ ਦੀਆਂ ਉੱਤਰ ਪੱਤਰੀਆਂ ਚੈਕ ਕਰਕੇ ਅਵਾਰਡ ਲਿਸਟਾਂ ਅਤੇ ਇੰਨਟਰਨਲ ਅਸੈਸਮੈਂਟ ਤਿਆਰ ਕਰਕੇ ਮਿਤੀ 11-11-2018 ਤੱਕ ਰਜਿਸਟਰਾਰ ਘਰੇਲੂ ਪ੍ਰੀਖਿਆਵਾਂ ਪਾਸ ਜਮ੍ਹਾਂ ਕਰਵਾਈਆਂ ਜਾਣ ।

  
Principal  
G.K.S.M. GOVT. COLLEGE  
Tanda Umar (Hoshiarpur)  
ਪਿੰਸੀਪਲ  
ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ,  
ਟਾਂਡਾ ਉੜਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।

TRANSLATED COPY

OFFICE, OF THE PRINCIPAL G.K.S.M.GOV'T, COLLEGE TANDA URMAR (HSP)

Notice

Dated: 30-10-2019

All the faculty members are directed to prepare & submit the award-lists of their papers as well as the internal assessment of their respective classes to Registrar, House Examinations by 11-11-2019 positively.



Principal,

G.K.S.M.Govt.College,  
Principal  
G.K.S.M.Govt.College,  
Tanda Urmara (HSP)  
G.K.S.M.Govt.College



**PANJAB UNIVERSITY, CHANDIGARH**  
**CLEARANCE CERTIFICATE-DECEMBER, 2019**

Certified that the Theory and Practical Internal Assessment in respect of the following classes are complete in all respect for the Semester examinations to be held in DECEMBER, 2019

Sr.No.	Class Name	Semester	Total
1	B.Sc. Agriculture	1	38
2	B.Sc. Agriculture	3	39
3	B.Sc. Agriculture	5	33
4	B.Sc. Agriculture	7	28
5	Bachelor of Arts	1	328
6	Bachelor of Arts	3	155
7	Bachelor of Arts	5	137
8	Bachelor of Commerce	1	70
9	Bachelor of Commerce	3	58
10	Bachelor of Commerce	5	59
11	Bachelor of Computer Application	5	13
12	Bachelor of Science	1	74
13	Bachelor of Science	3	41
14	Bachelor of Science	5	31

  
**Principal**  
**GOVT. COLLEGE**  
**Tanda Umar**



**PANJAB UNIVERSITY, CHANDIGARH**  
**CLEARANCE CERTIFICATE-DECEMBER, 2019**

Certified that the Theory and Practical Internal Assessment in respect of the following classes are complete in all respect for the Semester examinations to be held in DECEMBER, 2019

Sr.No.	Class Name	Semester	Total
1	Master of Arts (Political Science)	1	26
2	Master of Arts (Political Science)	3	21
3	PG Diploma in Computer Applications	1	15


Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Theory and Practical Internal Assessment submitted by me are correct and final; no further correction will be made in it.

Name of College: G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9417301516

Email ID: gctandaurmur@gmail.com

  
\_\_\_\_\_  
Signature of Principal with Stamp  
Tanda Urmur



612  
11/06/21

**PANJAB UNIVERSITY, CHANDIGARH**  
(Aruna Ranjit Chandra Hall, Computer Unit)

From:

Prof. Jagat Bhushan,  
Controller of Examinations,  
Panjab University, Chandigarh-160014  
Off. (0172)2541825, 2534811, 2534699  
Fax (0172)2783783

To

The Principal/Chairperson/Director,  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*RHE*  
*Solomon*  
11/6/21

Ref. No. CW/21/2644-2893

Dated 09/6/21

**Subject:** Online submission of Internal Assessment (Theory and Practical) and External Practical Awards for a) **Under-graduate** Courses for 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> Semester. b) **Post-graduate** Courses 2<sup>nd</sup> & 4<sup>th</sup> Semester Examination June/July, 2021.

Dear Sir/Madam,

You are requested to submit the internal assessment awards and External Practical Awards online through the University website: [ugexam.puchd.ac.in](http://ugexam.puchd.ac.in) for 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> Semester of BA/BSc/B.Com/BBA/BCA/B.Ed/BPEd/ other classes of **Under-graduate courses** and website : [pgexam.puchd.ac.in](http://pgexam.puchd.ac.in) for 2<sup>nd</sup> & 4<sup>th</sup> Semester of M.A. /M.Sc./M Com/M Ed / MP.Ed/other classes for **Post-graduate courses** as prescribed in the syllabus in all the subjects/papers/options for the session 2020-2021 for Under-graduate/Post-graduate examination Jan/Feb, 2021. These Links on the respective websites are available under College Admin using User-Id & Password already given to your college .

It is also informed to you that the University website is open for feeding for all type of awards from June 10, 2021 to July 09, 2021.

It is informed that no hard copy (print out) of internal Assessment shall be sent by the college to the university. **The internal assessment uploaded by the college through university website shall be considered as final.** It is further requested that College has to submit the certificate generated by above said website for UG and PG separately duly signed by the Principal of the College. Thereof all the Principals are requested to kindly instruct your staff for taking necessary care while feeding online data of internal assessment. It is further clarified that **after stipulated dates no revised internal assessment on account of any reason shall be accepted by the university.** It is requested that kindly submit the payment bills of examiners in the form of consolidated lists only and the Examiner have to prepare the practical award list duly counter signed by the Principal separately for college and private students University Roll Number wise and the same are to be submitted in original to the University duly counter signed by the Principal of the College/Director/Chairperson of the Department concerned in the office of the Assistant Registrar, Computer Unit, Aruna Ranjit Chandra Hall, Panjab University, Chandigarh by registered post.

It is further requested that college has to upload the External practical awards of regular candidates as well as private candidates separately. **It is further submitted that the software will not accept internal assessment as zero. Only some marks (Minimum marks required keeping in view attendance) or absent will be accepted by the software.** There is no need to submit the hard copy (Portal Print) of Practical awards list to the university. Hard copy of practical award list can be submitted as and when communication is sent by the university. **Please follow the above instructions strictly.**

**It is further informed that All Teachers are required to mention Identity Number issued /released recently via Website :[examiners.puchd.ac.in](http://examiners.puchd.ac.in) for all purposes related to Examination duties to be performed.**

With regards,

Yours sincerely,

*J.B.*  
Controller of Examinations

Help Number for Assistance  
Mobile: 9878059501, Phone No. 0172-2534496  
Email Id: [puexam2020@puchd.ac.in](mailto:puexam2020@puchd.ac.in), [mamta@pu.ac.in](mailto:mamta@pu.ac.in)

612  
BA - Fee pending




ਦਫਤਰ ਪ੍ਰਿੰਸੀਪਲ, ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ ਟਾਂਡਾ ਉਤਮੁਤ (ਹੁਸ਼ਿਆਰਪੁਰ)।

ਨੋਟਿਸ

ਮਿਤੀ: 27-01-21

ਕਾਲਜ ਦੇ ਸਮੂਹ ਟੀਚਰ ਸਹਿਬਾਨ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ  
ਆਪਣੇ-ਆਪਣੇ ਵਿਸ਼ਿਆਂ ਦੀ ਇੰਨਟਰਨਲ ਅਸੈਸਮੈਂਟ ਤਿਆਰ ਕਰਕੇ ਮਿਤੀ <sup>19-06-2021</sup> 06-02-2021 ਤੱਕ  
ਰਜਿਸਟਰਾਰ ਘਰੇਲੂ ਪ੍ਰੀਖਿਆਵਾਂ ਪਾਸ ਪੁੱਜਦੀ ਕੀਤੀ ਜਾਵੇ। ਇਹ ਵੀ ਧਿਆਨ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇ  
ਕਿ ਕਿਸੇ ਵੀ ਵਿਦਿਆਰਥੀ ਨੂੰ 0 ਅੰਕ ਨਾ ਦਿੱਤਾ ਜਾਵੇ ਕਿਉਂਕਿ ਇਹ ਯੂਨੀਵਰਸਿਟੀ ਸਾਫਟ ਵੇਅਰ  
ਦੁਆਰਾ ਮੰਨਜ਼ੂਰ ਨਹੀਂ ਕੀਤਾ ਜਾਂਦਾ।

  
ਪ੍ਰਿੰਸੀਪਲ  
Principal  
G.K.S.M. GOVT. COLLEGE  
ਟਾਂਡਾ ਉਤਮੁਤ (ਹੁਸ਼ਿਆਰਪੁਰ)  
ਟਾਂਡਾ ਉਤਮੁਤ (ਹੁਸ਼ਿਆਰਪੁਰ)।



TRANSLATED COPY

OFFICE, OF THE PRINCIPAL G.K.S.M.GOV'T, COLLEGE TANDA URMAR (HSP)

Notice

Dated: 27-01-2021

All the faculty members are directed to prepare & submit the internal assessment of their respective classes to Registrar, House Examinations by 19-06-2021 positively.

*Hashi Bala*

Principal, ~~eput:~~  
~~eput:~~ G.K.S.M. Gov't College,  
Tanda Urmār (HSP)

To


The Controller of Exams,  
Panjab University,  
Chandigarh.

Memo No: 2300 Dated: 22-07-21

Subject: Intimation Regarding Online Submission of Internal Assessment ( Theory & Practical)  
of UG and PG classes for June 2021, Online Examination

This is for your kind intimation that Internal Assessment of following classes has been uploaded on University Portal in complete. But Clearance Certificates could not be generated from the portal

- | S.No. | Class  |
|-------|--|
| 1.    | Class : 2 <sup>nd</sup> , 4 <sup>th</sup> and 6 <sup>th</sup> sem<br>B.A.<br>B.Com<br>B.Sc |
| 2.    | B. Sc.( Agriculture)- 4 <sup>th</sup> , 6 <sup>th</sup> , 8 <sup>th</sup> sem              |
| 3.    | MA ( Political Science)- 2 <sup>nd</sup> and 4 <sup>th</sup> sem                           |
| 4.    | PGDCA - 2 <sup>nd</sup> sem  |

  
Principal / Chief Co-ordinator  
G.K.S.M. Govt. College  
Tanda

College Code- 173

Contact-9417301516



PANJAB UNIVERSITY, CHANDIGARH  
(Aruna Ranjit Chandra Hall, Computer Unit)

932  
24-11-21

From:

Prof. Jagat Bhushan,  
Controller of Examinations,  
Panjab University, Chandigarh-160014  
Off. (0172)2541825, 2534811, 2534699  
Fax (0172)2783783

To

The Principal/Chairperson/Director,  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Unnikh*  
*[Signature]*

Ref. No. Cu/21/6250-7000

Dated 23/11/21

**Subject:** Online submission of Internal Assessment (Theory and Practical) and External Practical Awards for a) **Under-graduate** Courses for 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> Semester. b) **Post-graduate** Courses 1<sup>st</sup> & 3<sup>rd</sup> Semester Examination December 2021/January, 2022.

Dear Sir/Madam,

You are requested to submit the internal assessment awards and External Practical Awards online through the University website: [ugexam.puchd.ac.in](http://ugexam.puchd.ac.in) for 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> Semester of BA/BSc/B.Com/BBA/BCA/B.Ed/BPEd/ other classes of **Under-graduate courses** and website : [pgexam.puchd.ac.in](http://pgexam.puchd.ac.in) for 1<sup>st</sup> & 3<sup>rd</sup> Semester of M.A. /M.Sc./M Com/M Ed / M.P.Ed/other classes for **Post-graduate courses** as prescribed in the syllabus in all the subjects/papers/options for the session 2021-2022 for Under-graduate/Post-graduate examination Dec 2021/Jan , 2022. These Links on the respective websites are available under College Admin using User-Id & Password already given to your college .

It is also informed to you that the University website is open for feeding for all type of awards from **November 24, 2021 to January 10, 2022.**

It is informed that no hard copy (print out) of internal Assessment shall be sent by the college to the university. The **Internal assessment uploaded by the college through university website shall be considered as final.** It is further requested that College has to submit the certificate generated by above said website for UG and PG separately duly signed by the Principal of the College. Thereof all the Principals are requested to kindly instruct your staff for taking necessary care while feeding online data of internal assessment. It is further clarified that **after stipulated dates no revised internal assessment on account of any reason shall be accepted by the university.** It is requested that kindly submit the payment bills of examiners in the form of consolidated lists only and the Examiner have to prepare the practical award list duly counter signed by the Principal separately for college and private students University Roll Number wise and the same are to be submitted in original to the University duly counter signed by the Principal of the College/Director/Chairperson of the Department concerned in the office of the **Assistant Registrar, Computer Unit, Aruna Ranjit Chandra Hall, Panjab University, Chandigarh by registered post.**

It is further requested that college has to upload the External practical awards of regular candidates as well as private candidates separately. **It is further submitted that the software will not accept internal assessment as zero. Only some marks (Minimum marks required keeping in view attendance) or absent will be accepted by the software.** There is no need to submit the hard copy (Portal Print) of Practical awards list to the university. Hard copy of practical award list can be submitted as and when communication is sent by the university. **Please follow the above instructions strictly.**

**It is further informed that All Teachers are required to mention Identity Number issued /released recently via Website :[examiners.puchd.ac.in](http://examiners.puchd.ac.in) for all purposes related to Examination duties to be performed.**

With regards,

*Yours sincerely,*

*[Signature]*  
Controller of Examinations

Help Number for Assistance  
Mobile: 9878059501 , Phone No. 0172-2534496  
Email Id: [puexam2020@puchd.ac.in](mailto:puexam2020@puchd.ac.in), [mamta@pu.ac.in](mailto:mamta@pu.ac.in)



ਦਫਤਰ ਪ੍ਰਿੰਸੀਪਲ, ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ ਟਾਂਡਾ ਉਤਮੁਤ (ਹੁਸ਼ਿਆਰਪੁਰ)।

ਨੋਟਿਸ

ਮਿਤੀ: 15-11-2021

ਕਾਲਜ ਦੇ ਸਮੂਹ ਟੀਚਰ ਸਹਿਬਾਨ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪਣੇ-ਆਪਣੇ ਵਿਸ਼ਿਆਂ ਦੀ ਇੰਨਟਰਨਲ ਅਸੈਸਮੈਂਟ ਤਿਆਰ ਕਰਕੇ ਮਿਤੀ 25-11-2021 ਤੱਕ ਰਜਿਸਟਰਾਰ ਘਰੇਲੂ ਪ੍ਰੀਖਿਆਵਾਂ ਪਾਸ ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਜਾਵੇ।

  
Principal  
G.K.S.M. GOVT. COLLEGE  
Tanda Umar (Hoshiarpur)

ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ,  
ਟਾਂਡਾ ਉਤਮੁਤ (ਹੁਸ਼ਿਆਰਪੁਰ)।


TRANSLATED COPY

OFFICE, OF THE PRINCIPAL G.K.S.M.GOVT, COLLEGE TANDA URMAR (HSP)

Notice

Dated: 15-11-2021

All the teaching staff is requested to submit the reports of their internal assessment (Session 2021-22) by 25-11-2021 to registrar house examination.



Principal,

Principal, M. Govt. College,  
G. K. S. M. Govt. College  
Tanda-Urmar (HSP)

**PANJAB UNIVERSITY, CHANDIGARH**  
**CLEARANCE CERTIFICATE-DECEMBER, 2021**

**Certified that the Theory and Practical Internal Assessment in respect of the following classes are complete in all respect for the Semester examinations to be held in DECEMBER, 2021**

Sr.No.	Class Name	Semester	Total
1	B.Sc. Agriculture	5	34
2	B.Sc. Agriculture	7	38
3	Bachelor of Arts	1	296
4	Bachelor of Arts	3	163
5	Bachelor of Arts	5	157
6	Bachelor of Commerce	1	71
7	Bachelor of Commerce	3	53
8	Bachelor of Commerce	5	46
9	Bachelor of Science	1	87
10	Bachelor of Science	3	54
11	Bachelor of Science	5	48

**Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Theory and Practical Internal Assessment submitted by me are correct and final; no further correction will be made in it.**

Name of College: G.K.S.M. Govt. College, Tanda Urmar (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9464792063

Email ID: gctandaurmur@gmail.com

Signature of Principal with Stamp

  
Principal  
G.K.S.M. Govt. College  
Tanda

24-01-2022



**PANJAB UNIVERSITY, CHANDIGARH**  
**CLEARANCE CERTIFICATE-DECEMBER, 2021**

**Certified that the Theory and Practical Internal Assessment in respect of the following classes are complete in all respect for the Semester examinations to be held in DECEMBER, 2021**

Sr.No.	Class Name	Semester	Total
1	Master of Arts (Political Science)	1	18
2	Master of Arts (Political Science)	3	10
3	PG Diploma in Computer Applications	1	29

**Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Theory and Practical Internal Assessment submitted by me are correct and final; no further correction will be made in it.**

Name of College: G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9417301516

Email ID: gctandaurmur@gmail.com

Signature of Principal with Stamp

  
Principal  
G.K.S.M. Govt. College  
Tanda

ਦਫਤਰ ਪ੍ਰਿੰਸੀਪਲ, ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ ਟਾਂਡਾ ਉਤਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।

ਨੋਟਿਸ

ਮਿਤੀ: 01-11-2022

ਕਾਲਜ ਦੇ ਸਮੂਹ ਟੀਚਰ ਸਹਿਬਾਨ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪਣੇ-ਆਪਣੇ ਵਿਸ਼ਿਆਂ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਇੰਨਟਰਨਲ ਅਸੈਸਮੈਂਟ ਤਿਆਰ ਕਰਕੇ ਮਿਤੀ 11-11-2022 ਤੱਕ ਰਜਿਸਟਰਾਰ ਘਰੇਲੂ ਪ੍ਰੀਖਿਆਵਾਂ ਪਾਸ ਜਮ੍ਹਾਂ ਕਰਵਾਈ ਜਾਵੇ।

ਪ੍ਰਿੰਸੀਪਲ  Principal  
G.K.S.M. GOVT COLLEGE  
ਜੀ.ਕੇ.ਐਸ.ਐਮ.ਸਰਕਾਰੀ ਕਾਲਜ,  
Tanda Umar (Hoshiarpur)  
ਟਾਂਡਾ ਉਤਮੁੜ (ਹੁਸ਼ਿਆਰਪੁਰ)।


TRANSLATED COPY

OFFICE OF THE PRINCIPAL G.K.S.M.GOV.T.COLLEGE TANDA URMAR (HSP)

Notice

Dated: 01-11-2022

The members of teaching faculty are directed to prepare the internal assessment of their subjects and submit it to Registrar House examination by 11-11-2022 positively.

  
Principal,  
G.K.S.M. Govt. College,  
Tanda Urmar (HSP)



**PANJAB UNIVERSITY, CHANDIGARH**  
**CLEARANCE CERTIFICATE-MAY, 2023**

**Certified that the Practical External Awards in respect of the following classes are complete in all respect for the Semester examinations to be held in MAY, 2023**

Sr.No.	Class Name	Semester	Total
1	B.Sc. Agriculture	8	35
2	Bachelor of Arts	2	227
3	Bachelor of Arts	4	202
4	Bachelor of Arts	6	141
5	Bachelor of Commerce	2	67
6	Bachelor of Commerce	4	47
7	Bachelor of Commerce	6	47
8	Bachelor of Science	2	54
9	Bachelor of Science	4	55
10	Bachelor of Science	6	48


**Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Practical External Awards submitted by me are correct and final; no further correction will be made in it.**

Name of College: G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9464792063

Email ID: gctandaurnmur@gmail.com

  
Principal  
**G.K.S.M. GOVT. COLLEGE**  
Tanda Urmur (Hoshiarpur)  
Signature of Principal With Stamp

PANJAB UNIVERSITY, CHANDIGARH  
CLEARANCE CERTIFICATE-MAY, 2023

Certified that the Practical External Awards in respect of the following classes are complete in all respect for the Semester examinations to be held in MAY, 2023

Sr.No.	Class Name	Semester	Total
1	Master of Arts (Political Science)	2	8
2	Master of Arts (Political Science)	4	16
3	PG Diploma in Computer Applications	2	14

Certified that all the students of the college have attended prescribed percentage of the total number of lectures delivered and practical/tutorial conducted separately. It is also certified that all the Practical External Awards submitted by me are correct and final; no further correction will be made in it.

Name of College: G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

College Code: 173

Dealing Contact No.: 9417301516

Email ID: gctandaurnur@gmail.com

  
Principal  
G.K.S.M. GOVT. COLLEGE  
Tanda Urmur (Hoshiarpur)  
Stamp

**PANJAB UNIVERSITY, May 2019**  
**G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)**

**Theory Internal Assessment**  
**Bachelor of Science Semester 4**

Roll no	C Rollno	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10
0	201	17317000483	RIJKSANA BEGAM	ENG	3	PHY	4	MAT	5	CSC	10												
0	202	17317000480	RAJNI	ENG	3	PHY	4	MAT	5	CSC	9												
0	203	17317000466	HARJOT KAUR	ENG	3	PHY	4	MAT	5	CSC	9												
0	204	17317000459	BALJIT KAUR	ENG	3	PHY	4	MAT	9	CSC	9												
0	205	17317000472	KIRANDEEP KAUR	ENG	3	PHY	4	MAT	6	CSC	9												
0	206	17317000455	ANJALI	ENG	3	PHY	4	MAT	8	CSC	10												
0	207	17317000476	MAYA MIER	ENG	4	PHY	5	MAT	8	CSC	9												
0	208	17317000456	ANKITA	ENG	4	PHY	9	CHM	4	MAT	10												
0	209	17317000453	AMANDEEP KAUR	ENG	3	PHY	5	MAT	5	CSC	9												
0	210	17317000470	KAJAL NANGLU	ENG	5	PHY	9	CHM	6	MAT	7												
0	211	17317000451	AMANDEEP	ENG	4	PHY	9	CHM	7	MAT	8												
0	212	17317000468	JASPREET KAUR	ENG	3	CHM	4	BOT	4	ZOO	4												
0	213	17317000478	PARAJIT KAUR	ENG	3	CHM	6	BOT	5	ZOO	6												
0	214	17317000488	TAJWINDER KAUR	ENG	3	CHM	7	BOT	7	ZOO	6												
0	215	17317000484	RUPINDER KAUR	ENG	3	CHM	5	BOT	4	ZOO	4												
0	216	17317000461	DALWINDER KAUR	ENG	3	PHY	8	CHM	5	MAT	5												
0	217	17317000471	KANWALPREET KAUR	ENG	3	PHY	8	CHM	5	MAT	5												



G.K.S.M. Govt. College, Tanda Umar (Hoshiarpur)

Theory Internal Assessment

Schedule of Exams Semester 4

Roll no	Section	Regd No	Name	Exam	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
0	218	172117000482	RAVINDER KALR	ENG	3	PHV	4	CHM	4	MAT	4									
0	219	172117000474	LAKHVI KALR	ENG	3	PHV	4	CHM	4	MAT	4									
0	220	172117000484	HANDEEP KALR	ENG	3	PHV	4	CHM	4	MAT	4									
0	221	172117000485	JASPREET KALR	ENG	4	PHV	4	CHM	4	MAT	4									
0	222	172117000476	PREVYA	ENG	3	PHV	4	CHM	4	MAT	4									
0	201	172117000501	HARSHVIRAN SINGH	ENG	3	PHV	4	MAT	4	MAT	7	CSC	4							
0	202	172117000516	PARMINDER SINGH	ENG	3	PHV	4	MAT	4	MAT	7	CSC	4							
0	203	172117000520	SALUAT KUMAR KODHRAK	ENG	3	PHV	4	MAT	4	MAT	5	CSC	4							
0	204	172117000481	ANUSH RAVTU	ENG	3	PHV	4	MAT	4	MAT	4	CSC	4							
0	205	172117000487	GURPREET SINGH	ENG	3	PHV	4	MAT	4	MAT	5	CSC	4							
0	206	172117000412	MILANPREET SINGH	ENG	3	CHM	4	BOT	4	ZOO	4									
0	207	172117000483	AMANKUL SINGH	ENG	4	PHV	4	MAT	4	CSC	4									
0	208	172117000515	PARMINDER KUMAR	ENG	4	PHV	4	CHM	4	MAT	5									
0	210	172117000519	ROHIT	ENG	3	PHV	4	MAT	4	CSC	4									
0	211	172117000482	ANUSHDEEP SINGH	ENG	2	PHV	4	MAT	4	CSC	4									
0	212	172117000484	ANILAN SANGHOTIA	ENG	3	PHV	4	CHM	4	MAT	5									
0	213	172117000526	JASWINDER SINGH	ENG	3	PHV	4	CHM	4	MAT	5									
0	214	172117000514	MOHIT SALLAHA	ENG	3	PHV	4	MAT	4	CSC	4									

Principal  
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Tanda

**G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)**

**Theory Internal Assessment**

**Bachelor of Science Semester 4**

Roll no	C Rollno	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10
0	315	17317000521	SAHIL	ENG	3	PHY	6	CHM	3	MAT	4												
0	316	17317000513	MOHIT KUMAR	ENG	3	PHY	7	MAT	6	CSC	8												
0	317	17317000496	GAGANPREET SINGH	ENG	AB	PHY	AB	CHM	AB	MAT	AB												

  
**Principal**  
**G.K.S.M. Govt. College**  
**Tanda**

**PANJAB UNIVERSITY, May 2019**  
**G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)**

**External Practical(PA)**

**Bachelor of Science Semester 2**

Roll no	C Roll no	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10	
18058720	1	17318000397	HARMANJOT KAUR	PHY	37	CHM	30																	
18058703	2	17318000387	AMANJEET KAUR	PHY	43					CSC	27													
18058733	3	17318000406	LAKHPREET KAUR	PHY	37	CHM	29																	
18058747	4	17318000415	RAMANDEEP KAUR	PHY	29					CSC	28													
18058746	5	17318000414	RAJINDER KAUR	PHY	31	CHM	23																	
18058742	6	17318000412	PARMINDER KAUR	PHY	33					CSC	28													
18058718	7	17318000396	HARJINDER KAUR	PHY	35	CHM	32																	
18058735	8	17318000407	MANPREET KAUR	PHY	37					CSC	28													
18058743	9	17318000413	PARMINDER KAUR	PHY	24	CHM	24																	
18058704	10	17318000388	AMRITPAL KAUR	PHY	37					CSC	28													
18058740	11	17318000410	NAVJOT KAUR	PHY	36					CSC	27													
18058748	12	17318000416	RAMANDEEP KAUR	PHY	33					CSC	AB													
18058723	13	17318000398	HARSIMRAN KAUR	PHY	28					CSC	27													
18058730	14	17318000404	KAVITA	PHY	39	CHM	37																	
18058705	15	17318000389	AMRITPAL KAUR	PHY	35					CSC	28													
18058715	17	17318000394	GURPREET KAUR	PHY	33	CHM	27																	
18058759	18	17318000422	TARANVIR KAUR	PHY	AB					CSC	AB													



G.K.S.M. Govt. College, Tanda Urmur (Hoshiarpur)

External Practical(PA)

Bachelor of Science Semester 2


Roll no	C Rollno	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10
18058741	19	17318000411	NISHU	PHY	30	CHM	25																
18058726	20	17318000401	JASPREET KAUR	PHY	39	CHM	28																
18058749	21	17318000417	REETAY	PHY	AB					CSC	AB												
18058755	22	17318000420	SIMRANDEEP KAUR	PHY	AB	CHM	AB																
18058711	23	17318000392	CHANDAN PREET KAUR	PHY	36	CHM	33																
18058736	24	17318000408	MANPREET KAUR	PHY	AB	CHM	AB																
18058716	26	17318000395	GURPREET KAUR	PHY	31					CSC	28												
18058702	27	17318000386	AMANDEEP KAUR	PHY	22	CHM	30																
18058724	28	17318000399	INDU	PHY	36					CSC	28												
18058710	30	17318000391	AVNEET KAUR	PHY	36					CSC	28												
18058731	31	17318000405	KIRANDEEP KAUR	PHY	37					CSC	28												
18058727	32	17318000402	JENIFA	PHY	31	CHM	24																
18058756	33	17318000421	SIMRANPREET KAUR	PHY	AB					CSC	AB												
18058737	51	17318000437	MANPREET SINGH	PHY	22	CHM	32																
18058717	52	17318000430	GURWINDER SINGH	PHY	AB	CHM	AB																
18058739	53	17318000438	NAVJIT BADYAL	PHY	35	CHM	27																
18058734	54	17318000436	LOVEPREET MUNDE	PHY	28					CSC	27												
18058745	55	17318000440	RAHUL	PHY	40	CHM	40																

**G.K.S.M. Govt. College, Tanda Urmar (Hoshiarpur)**

**External Practical(PA)**

**Bachelor of Science Semester 2**

Roll no	C Rollno	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10	
18058722	56	17318000433	HARPREET SINGH	PHY	21	PHY	18	CHM	18	CSC	28													
18058732	57	17318000435	KULWINDER SINGH	PHY	18	PHY	16	CHM	18															
18058707	58	17318000426	AMRITPAL SINGH	PHY	16	PHY	16			CSC	22													
18058709	59	17318000427	ARSHDEEP SINGH	PHY	AB	PHY	AB	CHM	AB															
18058762	60	17318000447	YUDHVIR SINGH	PHY	AB	PHY	AB			CSC	AB													
18058706	61	17318000425	AMRITPAL SINGH	PHY	34	PHY	34	CHM	39															
18058721	62	17318000432	HARMANPREET SINGH	PHY	19	PHY	19	CHM	18															
18058752	63	17318000442	SATVIR SINGH	PHY	AB	PHY	AB			CSC	AB													
18058751	64	17318000441	SARABJOT SINGH	PHY	AB	PHY	AB	CHM	AB															
18058753	65	17318000443	SHIV KUMAR	PHY	AB	PHY	AB			CSC	AB													
18058701	66	17318000424	ADITYA	PHY	28	PHY	28			CSC	24													
18058758	68	17318000445	TAJINDER SINGH	PHY	AB	PHY	AB			CSC	AB													
18058714	69	17318000429	GURDEEP SINGH	PHY	AB	PHY	AB	CHM	AB															
18058761	70	17318000446	YATIN KARMAL	PHY	16	PHY	16			CSC	26													
18058708	101	17318000390	ANCHAL	CHM	AB	CHM	AB	BOT	AB	ZOO	AB													
18058713	102	17318000393	GARINDER KAUR	CHM	40	CHM	40	BOT	34	ZOO	32													
18058750	103	17318000418	RITI	CHM	31	CHM	31	BOT	20	ZOO	16													
18058754	104	17318000419	SHIVANI CHOUDHARY	CHM	18	CHM	18	BOT	19	ZOO	14													

  
**Principal**  
**G.K.S.M. Govt. College**  
**Tanda**

G.K.S.M. Govt. College, Tanda Urmar (Hoshiarpur)

External Practical(PA)

Bachelor of Science Semester 2

Roll no	C Rollno	RegNo	Name	Sub1	M1	Sub2	M2	Sub3	M3	Sub4	M4	Sub5	M5	Sub6	M6	Sub7	M7	Sub8	M8	Sub9	M9	Sub10	M10	
18058728	105	17318000403	KAJAL KUMARI	CHM	34	BOT	20	ZOO	14															
18058738	106	17318000409	NAVDEEP KAUR	CHM	34	BOT	29	ZOO	29															
18058760	107	17318000423	VANDANA	CHM	38	BOT	32	ZOO	31															
18058725	108	17318000400	INDU	CHM	26	BOT	22	ZOO	21															
18058712	151	17318000428	DAMANPREET SHARMA	CHM	31	BOT	27	ZOO	28															
18058729	152	17318000434	KARTIC HARSH	CHM	AB	BOT	AB	ZOO	AB															
18058744	153	17318000439	PARMVR SINGH	CHM	AB	BOT	AB	ZOO	AB															
18058719	154	17318000431	HARMAN SINGH	CHM	23	BOT	20	ZOO	23															
18058757	155	17318000444	SUNIL JASSAL	CHM	22	BOT	21	ZOO	27															

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Tanda



## BOTANY

### SEMESTER-I

First Semester		Time	Theory	Int Assess.	Max Marks
Theory Paper- A	Plant Diversity-I	3 hrs.	36	04	40
Theory Paper-B	Cell Biology	3 hrs.	36	04	40
One practical pertaining to entire syllabus included in both theory papers		3 hrs.	18	02	20
Second Semester					
Theory Paper –A	Plant Diversity-II	3hrs	36	04	40
Theory Paper-B	Genetics	3hrs	36	04	40
One practical pertaining to entire syllabus included in both theory papers		3hrs.	18	02	20
<b>Total</b>					<b>200</b>

- Note:**
- The number of teaching hours for theory and practical per semester shall be 60 hrs. and 100 hrs. respectively.
  - There will be two theory papers (A&B) in each semester. Each paper will consist of nine questions. Question No.1 will be compulsory and will consist of 12 parts (one mark each) comprising 6 MCQ and the rest 6 parts will be of fill-in the blanks covering the entire syllabus in both the theory papers A&B. The remaining 8 questions in papers A&B shall include two questions from each unit. Candidates shall be required to attempt one question from each Unit. Question No. 1 will carry 12 marks and the rest of 8 questions will be of 6 marks each.

# ZOOLOGY

## FIRST SEMESTER

	Time	Theory Assessment	Internal	Marks
<b>Paper-I</b> Biodiversity & Cell Biology - I	3 hrs.	36	4	40
<b>Paper-II</b> Biodiversity & Cell Biology - II	3 hrs.	36	4	40
<b>Practical</b> One paper covering entire syllabus of both the papers.	4 hrs.	18	2	20
<b>Total marks</b>	100			-----

## SECOND SEMESTER

	Time	Theory	Internal Assessment	Marks
<b>Paper-I</b> Biodiversity & Ecology - I	3 hrs.	36	4	40
<b>Paper-II</b> Biodiversity & Ecology - II	3 hrs.	36	4	40
<b>Practical</b> One paper covering entire syllabus of both the papers.	4 hrs.	18	2	20
<b>Total marks</b>	100			-----

**Note:** The number of hours for Theory and Practical work per week shall be 6 and 4 hours, respectively

## PHYSICS

### B.Sc. (GENERAL) FIRST YEAR (1<sup>st</sup> and 2<sup>nd</sup> Semester) EXAMINATION, 2023-24

#### General Instructions for teachers, students and paper setters :

1. There will be three papers of theory and one laboratory (practical course). Each of the theory papers is allocated 25 marks including 3 (three) marks for the Internal assessment. **The Practical examination is of 50 marks including 5 (Five) marks for the Internal assessment and will be held along with the second semester examination.**
2. The number of lectures per week will be three for each theory paper and six for practicals.
3. The examination time for each theory paper as well as practical paper will be three hours.
4. Each theory paper will consist of **seven** questions comprising of three sections. First two sections will comprise of **three** questions from each of Units I and II of syllabus, and the third section will comprise of **one compulsory** question of **ten** short answer type parts covering whole syllabus. The question paper will be set for 44 marks - **All the questions in first and second sections will carry 9 (nine) marks each and the compulsory question will carry 8 marks.** Student will attempt two questions from each of the first two sections and any eight parts of the compulsory question. **After evaluation of the answer books out of 44 marks, the marks will be given out of 22 marks.**
5. The numerical problems/exercises in the question paper should be 25-30%.
6. Student will attempt two questions from each Unit (I-II) and any six parts of question seven.
7. The use of Non-programmable calculators will be allowed (paper setter should explicitly mention this in the question paper) in the examination centre but these will not be provided by the University/College. Mobile phones and pagers are not allowed in the examination hall.

#### Papers, marks and teaching hours allocation :

Paper A : Mechanics	Total Teaching hrs. 30
Paper B : Vibrations, Waves and EM Theory	Total Teaching hrs. 30
Paper C : Electricity and Magnetism	Total Teaching hrs. 30
Physics Practicals	Total Teaching hrs. 45

\* marks allotted for internal assessment.



## PHILOSOPHY

B.A. (GENERAL) SECOND YEAR EXAMINATION, 2023-2024

Outlines of tests, syllabi and courses of reading

### SEMESTER-III

**Paper : INDIAN ETHICS (Theory)**

Max. Marks	: 100
Theory	: 90 Marks
Internal Assessment	: 10 Marks
Time	: 3 Hours
Lectures	: 75

#### **Aims and Objectives :**

This paper highlights the ethical philosophies propounded in the different Indian Philosophical Systems. It exposes the students to the main tenets of Buddhism, Sikhism, Gandhism, Gita and Vedic Culture.

This paper gives an insight into the nature of Ethics, moral notions and basic moral theories as propounded by Western Ethical Philosophers. This paper also deals with problems of applied ethics.

#### **INSTRUCTIONS FOR THE PAPER-SETTER AND CANDIDATES :**

(i) *The syllabus has been divided into four units.*

There shall be 9 questions in all. The first question is compulsory and shall be short answer type containing 15 short questions spread over the whole syllabus to be answered in about 25 to 30 words each. The candidates are required to attempt any 9 short answer type questions carrying 18 marks i.e. 2 marks of each. Rest of the paper shall contain 4 units. Each unit shall have two essay type questions, and the candidate shall be given internal choice of attempting one question from each Unit – 4 in all. Each question will carry 18 marks.

(ii) For private candidates, who have not been assessed earlier for internal assessment, the marks secured by them in theory paper will proportionately be increased to maximum marks of the paper in lieu of internal assessment.

**The paper-setter must put note (ii) in the question paper.**

#### **Unit-I**

- Salient Features of Indian Ethics with reference to Purusartha : Yuga Dharma and Sanatan Dharma.
- Varna Vyastha and Ashrama Dharma : A Contemporary Analysis.
- Concept of Sreyas and Preyas.

#### **Unit-II**

- Buddhist Ethics : Four Noble Truths, Eight Noble Paths, Ahimsa and Karma Bhava Chakra, Sila.
- Jaina Ethics : Triratnas.
- Sikh Ethics : Hukum, Nirbhau, Nirvair, Parupkar, Sewa and Sahaj.

**PHILOSOPHY****SEMESTER – V****PAPER : INDIAN EPISTEMOLOGY AND METAPHYSICS**

Max. Marks	:	100
Theory	:	90 Marks
Internal Assessment	:	10 Marks
Time	:	3 Hours
Lectures	:	75

**Aims and Objectives :**

This paper discusses the main epistemological and metaphysical issues as discussed in the various Indian Philosophical Systems.

**INSTRUCTIONS FOR THE PAPER-SETTER AND CANDIDATES :**

*The syllabus has been divided into four units.*

- There shall be 9 questions in all. The first question is compulsory and shall be short answer type containing 15 short questions spread over the whole syllabus and each to be answered in about 25 to 30 words. The candidate is required to attempt any 9 short answer type questions carrying 18 marks i.e. 2 marks of each. Rest of the paper shall contain 4 units. Each unit shall have two essay type questions and the candidate shall be given internal choice of attempting one question from each unit – 4 in all. Each question will carry 18 marks.
- For private candidates, who have not been assessed earlier for internal assessment, the marks secured by them in theory paper will proportionately be increased to maximum marks of the paper in lieu of internal assessment.

**The paper setter must put note (2) in the question paper.**

**Unit-I**

- Salient features of Indian Epistemology and Metaphysics.
- Concept of Prama and Pramana according to Nyaya
  - i) Pratyaksa
  - ii) Anumana
  - iii) Sabda
  - iv) Upamana
  - v) Arthapatti
  - vi) Anuplabdhi

**Unit-II**

- Materialism (Swabhava vada) of Charvakas.
- Anekantavada of Jainism.
- Aryasatyas, Pratityasamutpada of Buddhism.

**Unit-III**

- Concept of Self and Consciousness with special reference to Mandukya Upanishads.
- Advaita Vedanta : Sankara on Brahman and Maya.

**PHILOSOPHY****SEMESTER – I****Outlines of Tests, Syllabi and Courses of Reading****Paper : ELEMENTS OF PHILOSOPHY**

Max. Marks	: 100
Theory	: 90 marks
Internal Assessment	: 10 marks
Time	: 3 Hours
Lectures	: 75

**AIMS & OBJECTIVES :**

The aim of this paper is to familiarize the students with the subject, its branches, problems and methods. The contents of this paper provide the students with a wider canvas about tackling day-to-day problems from a larger perspective.

**INSTRUCTIONS FOR THE PAPER-SETTER AND THE CANDIDATES :**

- (i) There shall be 9 questions in all.
- (ii) The first question shall be of short answer type containing 15 short questions spread over the whole syllabus and each to be answered in about 25-30 words. The candidate is required to attempt any 9 short answer type questions i.e. 2 marks of each. It shall carry 18 marks and shall be compulsory question.
- (iii) Rest of the paper shall contain 4 Units and each Unit shall have two questions with internal choice. The candidates shall attempt one question from each Unit i.e. – 4 in all.
- (iv) For private and reappear candidates, who have not been assessed earlier for internal assessment, the marks secured by them in theory paper will proportionately be increased to maximum marks of the paper in lieu of internal assessment.

**The paper-setter must put note (iv) in the question paper.**

**Unit-I**

1. Nature of Philosophy (Introduction).
2. Problems of Philosophy with special focus on social equality, self knowledge and rationality.
3. Methods of Philosophy : Critical and Reflective approach.



## FINE ARTS

### SEMESTER – 1

#### Theory (History of Art)

Max. Marks	: 60
Written Paper	: 54 Marks
Internal Assessment	: 06 Marks
Total	: 60 Marks

#### Instruction to paper-setters

The paper-setter is required to set **9 questions** in all. **The candidate is to attempt 5 questions as per the instructions given in the question paper.**

The first question shall be of short answer type containing 9 questions, spread over the whole syllabus. Each question is to be answered in about 25 to 30 words. It shall carry 18 marks and shall be a **Compulsory** question.

**8 questions** are to be set from the entire syllabus consisting of 4 Units. Two questions will be set from each Unit and the candidates shall be given internal choice i.e. a candidate shall attempt one question from each Unit. So, the candidate shall attempt 4 questions in all out of 8 questions. **Each question** would be of **9 marks**.

#### Objectives :

The aim of the paper is to introduce to the students various schools, styles and phases of the developments in painting and sculpture in India and the West. The emphasis will be to make them aware of the different terms, concepts, forms and subject matter of these works.

#### Unit-I : History of Indian Painting

- Pre-historic paintings from Bhim-Betka .
- Ajanta Cave Painting: Shaddanta Jataka, Padmapani, Avalokitesvara, Dying Princess, Mahajanaka Jataka, Decorative ceiling panels from Cave No. 2.

#### Unit-II : History of Indian Sculpture

- Indus Valley Civilization - Seals, Metal Dancing Girl, Red Sandstone Torso, Bust of Priest from Mohenjodaro.
- Mauryan Art: Rampurva Bull Capital, Lion Capital from Sarnath, Didarganj Yakshi.

#### Unit-III : History of Western Art

- Pre-historic Art - Wounded Bison (Altamira), Venus of Willendorf.
- Egyptian Art - Palette of King Narmer, Seated Scribe.
- Greek Art - Standing Youth, Discobolus, Laocoon Group.

**FINE ARTS****SEMESTER – II****Theory (History of Art)**

Max. Marks	: 60
Written Paper	: 54 Marks
Internal Assessment	: 06 Marks
Total	: 60 Marks

**INSTRUCTIONS TO PAPER-SETTERS**

The paper-setter is required to set **9 questions** in all. **The candidate is to attempt 5 questions as per the instructions given in the question paper.**

The first question shall be of short answer type containing 9 questions, spread over the whole syllabus. Each question is to be answered in about 25 to 30 words. It shall carry 18 marks and shall be a **Compulsory** question.

**8** questions are to be set from the entire syllabus consisting of 4 Units. Two questions will be set from each Unit and the candidates shall be given internal choice i.e. a candidate shall attempt one question from each Unit. So, the candidate shall attempt 4 questions in all out of 8 questions. **Each question would be of 9 marks.**

**Objectives :**

The aim of the paper is to introduce to the students various schools, styles and phases of the developments in painting and sculpture in India and the West. The emphasis will be to make them aware of the different terms, concepts, forms and subject matter of these works.

**Unit-I : History of Indian Painting**

- Sittanavasal - Lotus Pond.
- Eastern Indian Miniature Painting with special reference to Ashtasahasrika Prajnaparamita.
- Western Indian Miniature Painting with special reference to Nativity of Mahavira from Palm-leaf manuscripts.

**Unit-II : History of Indian Sculpture**

- Bharhut - Dream of Queen Maya, Yakshas and Yakshini figures.
- Amravati - The Great Departure, Subjugation of Nalagiri.

**Unit-III : History of Western Art**

- Roman Art - Augustus of Prima Porta, Arch of Titus.
- Byzantine Art – Mosaic: Emperor Justinian and his Attendants in S. Vitale.
- Gothic Art - Madonna Enthroned by Duccio, The Lamentation by Giotto.

**Unit-IV : Definition of Key Terms and General Concepts**

Mural - Fresco and Tempera techniques, Miniature, Chiaroscuro (light-shade), Sculpture in round and in relief.

**Pedagogy :**

The students are expected to familiarize themselves with the art forms as seen from the books, slides and related films. Visits to Museums, exhibitons and art galleries are a part of study.

**Paper-IV: LABORATORY PRACTICALS****Max. Marks: 22+3  
6 Periods/week****INORGANIC CHEMISTRY****(a) QUALITATIVE ANALYSIS:**

Semimicro Analysis, cation analysis, separation and identification of ions from groups I, II, III, IV, V and VI. Anion analysis (4 ions).

Instruction to Examiners: Four ions with no interference (anions such as  $\text{PO}_4^{3-}$ ,  $\text{BO}_3^{3-}$  and similar anions like  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$  etc. and cations from the same group) may not be given.

**(b) QUANTITATIVE ANALYSIS:**

Volumetric titrations involving acid-base,  $\text{KMnO}_4$  and  $\text{K}_2\text{Cr}_2\text{O}_7$ .

There are three experiments - one involving acid-base titrations, one involving  $\text{KMnO}_4$  and one involving  $\text{K}_2\text{Cr}_2\text{O}_7$ .

1. Determination of strength of  $\text{Na}_2\text{CO}_3$  solution by titrating it against a standard solution of HCl.
2. Determination of molarity of  $\text{KMnO}_4$  solution by titrating it against a standard solution of Oxalic acid.
3. Standardise the given  $\text{K}_2\text{Cr}_2\text{O}_7$  solution by titrating it against a standard solution of Mohr's Salt.

**General Instruction to the Examiners:**

Note: Practical examination will be of four hours duration & shall consist of the following questions:

Q.No. I. Qualitative Analysis	: 10 marks
Q.No. II. Quantitative Analysis	: 06 marks
Q.No. III. Viva-Voce	:03 marks
Ask three questions (1 marks each) related to chemistry practicals.	:03 marks
Q.No. IV. Note Book	

**Books Suggested (Laboratory Courses)**

1. Svehla, Vogel's Qualitative Inorganic Analysis (revised); 7<sup>th</sup> edition Pubs: Orient Longman, 1996.
2. Bassett, J., Denney, R.C., Jeffery, G.H., Mendham, J., Vogel's Textbook of Quantitative Inorganic Analysis (revised); 4<sup>th</sup> edition, 1978.
3. Palmer, W.G., Experimental Inorganic Chemistry; 1<sup>st</sup> edition, Pubs: Cambridge, 1954.
4. Brauer, Handbook of Preparative Inorganic Chemistry; 2<sup>nd</sup> edition, Pubs: Academic Press, 1963, Vol. I, & 1965, Vol. II.
5. Audieth, L.F., Inorganic Synthesis; Pubs: McGraw Hill, 1950, Vol. 3<sup>rd</sup>; E.G. Rochow, 1960 Vol. VI J. Kleinberg, 1963, Vol. 7; S.Y. Tyree, 1967, Vol.9; E.L. Muetterties, 1967, Vol.10; W.L. Jolly 1986 Vol 11; R.W. Parry 1970, Vol. 12; F.A. Cotton 1972, Vol. 13; A.G. Mac Diarmid, 1977, Vol. 17.
6. Bansal, R.K., Laboratory Manual of Organic chemistry; 3<sup>rd</sup> edition, Pubs: Wiley Eastern Limited, 1994.



**CHEMISTRY**  
**SEMESTER – I**

**Scheme of Teaching and Examination**

<i>Paper</i>	<i>Course</i>	<i>Teaching Hrs.</i>		<i>Max. Marks</i>
I	Inorganic Chemistry-A	30	3 periods per week	22 + 3 internal assessment
II	Organic Chemistry-A	30	3 periods per week	22 + 3 internal assessment
III	Physical Chemistry-A	30	3 periods per week	22 + 3 internal assessment
IV	Laboratory Practicals		6 periods per week	22 + 3 internal assessment
<b>Total :</b>		<b>15 periods/week</b>		<b>100</b>

Paper 1 – INORGANIC CHEMISTRY-A

Time: 3 Hrs.  
Max. Marks: 22+3  
30 Hrs. (2 Hrs/week)  
3 Periods/week

**OBJECTIVE OF THE COURSE**

To teach the fundamental concepts of Chemistry and their applications. The syllabus pertaining to B.Sc. (GENERAL) (Semester System) in the subject of Chemistry has been upgraded as per provision of the UGC module and demand of the academic environment. The course contents have been revised from time to time as per suggestions of the teachers of the Chemistry working in the Panjab University, Chandigarh and affiliated colleges. The syllabus contents are duly arranged unit wise and contents are included in such a manner so that due importance is given to requisite intellectual and laboratory skills.

**UNIT-I**

**(8 Hrs.)**

**Atomic Structure**

Idea of de Broglie matter waves, Heisenberg uncertainty principle, atomic orbitals, Schrodinger wave equation, significance of  $\Psi$  and  $\Psi^2$ , quantum numbers, radial and angular wave functions and probability distribution curves, shapes of *s*, *p*, *d* orbitals. Aufbau and Pauli exclusion principles, Hund's multiplicity rule. Electronic configurations of the elements and ions.

**UNIT-II**

**(7 Hrs.)**

**Periodic Properties**

Position of elements in the periodic table; effective nuclear charge and its Calculations Atomic and ionic radii, ionization energy, electron affinity and electronegativity – definition, methods of determination or evaluation, trends in periodic table and applications in predicting and explaining the chemical behaviour.

## ZOOLOGY

### FIRST SEMESTER

	Time	Theory	Internal Assessment	Marks
<b>Paper-I :</b> Biodiversity & Cell Biology – I	3 hrs.	36	4	40
<b>Paper-II:</b> Biodiversity & Cell Biology – II	3 hrs.	36	4	40
<b>Practical:</b> One paper covering entire syllabus of both the papers.	4 hrs.	18	2	20
			<b>Total marks :</b>	100

### SECOND SEMESTER

	Time	Theory	Internal Assessment	Marks
<b>Paper-I :</b> Biodiversity & Ecology - I	3 hrs.	36	4	40
<b>Paper-II:</b> Biodiversity & Ecology - II	3 hrs.	36	4	40
<b>Practical:</b> One paper covering entire syllabus of both the papers.	4 hrs.	18	2	20
			<b>Total marks :</b>	100

**Note :** The number of hours for Theory and Practical per week shall be 6 and 4 hours, respectively.

### OBJECTIVES OF THE COURSE

The syllabus pertaining to B.Sc. (General) Semester-I and Semester-II in the subject of Zoology has been upgraded as per provision of the UGC module and demand of the academic environment. The course contents have been revised from time to time as per suggestions of the teachers of the Zoology working in the Panjab University, Chandigarh and affiliated colleges.

The syllabus contents are duly arranged section wise as well as unit wise. The contents are included in such manner so that due importance may be given to skill oriented components.

The course contents are also given due stress for excursion/field trips to Zoological Parks, Sea-shores, Hill Stations, Museum, Fossil Park and Apiary/godowns for better academic outlook. The Department of Zoology, P.U., Chandigarh usually organizes workshop/seminars from time to time for updating the teachers.

**BOTANY****SEMESTER-I**

<b>First Semester</b>		<b>Time</b>	<b>Theory</b>	<b>Int Assess.</b>	<b>Max Marks</b>
Theory Paper- A	Plant Diversity-I	3 hrs.	36	04	40
Theory Paper-B	Cell Biology	3 hrs.	36	04	40
One practical pertaining to entire syllabus included in both theory papers		3 hrs.	18	02	20
<b>Second Semester</b>					
Theory Paper –A	Plant Diversity-II	3hrs	36	04	40
Theory Paper-B	Genetics	3hrs	36	04	40
One practical pertaining to entire syllabus included in both theory papers		3hrs.	18	02	20
<b>Total</b>					<b>200</b>

- Note:**
- The number of teaching hours for theory and practical per semester shall be 60 hrs. and 100 hrs. respectively.
  - There will be two theory papers (A&B) in each semester. Each paper will consist of nine questions. Question No.1 will be compulsory and will consist of 12 parts (one mark each) comprising 6 MCQ and the rest 6 parts will be of fill-in the blanks covering the entire syllabus in both the theory papers A&B. The remaining 8 questions in papers A&B shall include two questions from each unit. Candidates shall be required to attempt one question from each Unit. Question No. 1 will carry 12 marks and the rest of 8 questions will be of 6 marks each.

**Paper-A: PLANT DIVERSITY-I**

**Objective:** The basic objective of this paper is to make students aware about the diversity in various life forms of plant kingdom. It gives an idea about the most simple group of plants. A systematic study of algae and fungi included in this group would familiarize students not only with structural differentiation but also provide an insight about the heterotrophic and autotrophic modes of nutrition in the plant kingdom. This paper in fact forms the basis of any advance study in Botany.

**Teaching Methodology:** Teaching methodology includes series of lectures, making use of charts, transparencies, LCD, Models, slides, practical demonstrations, extension lectures from experts, field visits, discussions, quiz competitions etc. In practicals, students would be provided with fresh/preserved materials for their morphological and anatomical studies making use of microscopes and binoculars and hands-on tools/equipment etc.



**PHYSICS****B.Sc. (GENERAL) FIRST YEAR (1<sup>st</sup> and 2<sup>nd</sup> Semester) EXAMINATION, 2020-21****General Instructions for teachers, students and paper setters :**

1. There will be three papers of theory and one laboratory (practical course). Each of the theory papers is allocated 25 marks including 3 (three) marks for the Internal assessment. **The Practical examination is of 50 marks including 5 (Five) marks for the Internal assessment and will be held along with the second semester examination.**
2. The number of lectures per week will be three for each theory paper and six for practicals.
3. The examination time for each theory paper as well as practical paper will be three hours.
4. Each theory paper will consist of **seven** questions comprising of three sections. First two sections will comprise of **three** questions from each of Units I and II of syllabus, and the third section will comprise of **one compulsory** question of **ten** short answer type parts covering whole syllabus. The question paper will be set for 44 marks - **All the questions in first and second sections will carry 9 (nine) marks each and the compulsory question will carry 8 marks.** Student will attempt two questions from each of the first two sections and any eight parts of the compulsory question. **After evaluation of the answer books out of 44 marks, the marks will be given out of 22 marks.**
5. The numerical problems/exercises in the question paper should be 25-30%.
6. Student will attempt two questions from each Unit (I-II) and any six parts of question seven.
7. The use of Non-programmable calculators will be allowed (paper setter should explicitly mention this in the question paper) in the examination centre but these will not be provided by the University/College. Mobile phones and pagers are not allowed in the examination hall.

**Papers, marks and teaching hours allocation :**

Paper A : Mechanics	Total Teaching hrs. 30
Paper B : Vibrations, Waves and EM Theory	Total Teaching hrs. 30
Paper C : Electricity and Magnetism	Total Teaching hrs. 30
Physics Practicals	Total Teaching hrs. 45

\* marks allotted for internal assessment.

**CHEMISTRY**  
**SEMESTER – I**

**Scheme of Teaching and Examination**

<i>Paper</i>	<i>Course</i>	<i>Teaching Hrs.</i>		<i>Max. Marks</i>
I	Inorganic Chemistry-A	30	3 periods per week	22 + 3 internal assessment
II	Organic Chemistry-A	30	3 periods per week	22 + 3 internal assessment
III	Physical Chemistry-A	30	3 periods per week	22 + 3 internal assessment
IV	Laboratory Practicals		6 periods per week	22 + 3 internal assessment
<b>Total :</b>		<b>15 periods/week</b>		<b>100</b>

**Paper 1 – INORGANIC CHEMISTRY-A**

Time: 3 Hrs.  
Max. Marks: 22+3  
30 Hrs. (2 Hrs/week)  
3 Periods/week

**OBJECTIVE OF THE COURSE**

To teach the fundamental concepts of Chemistry and their applications. The syllabus pertaining to B.Sc. (GENERAL) (Semester System) in the subject of Chemistry has been upgraded as per provision of the UGC module and demand of the academic environment. The course contents have been revised from time to time as per suggestions of the teachers of the Chemistry working in the Panjab University, Chandigarh and affiliated colleges. The syllabus contents are duly arranged unit wise and contents are included in such a manner so that due importance is given to requisite intellectual and laboratory skills.

**UNIT-I**

**(8 Hrs.)**

**Atomic Structure**

Idea of de Broglie matter waves, Heisenberg uncertainty principle, atomic orbitals, Schrodinger wave equation, significance of  $\Psi$  and  $\Psi^2$ , quantum numbers, radial and angular wave functions and probability distribution curves, shapes of *s*, *p*, *d* orbitals. Aufbau and Pauli exclusion principles, Hund's multiplicity rule. Electronic configurations of the elements and ions.

**UNIT-II**

**(7 Hrs.)**

**Periodic Properties**

Position of elements in the periodic table; effective nuclear charge and its Calculations Atomic and ionic radii, ionization energy, electron affinity and electronegativity – definition, methods of determination or evaluation, trends in periodic table and applications in predicting and explaining the chemical behaviour.

## PHYSICAL EDUCATION

### SEMESTER-II

#### THEORY

Max. Marks	:	65
Theory	:	60 marks
Internal Assessment	:	05 marks
Time	:	3 Hrs.

#### INSTRUCTIONS FOR THE PAPER-SETTER AND STUDENTS :

- (a) There shall be nine questions in all, spread over Five Units.
- (b) First question/Unit is **compulsory**. It will contain six short answer type questions, spread over the whole syllabus to be answered in brief. It will carry 12 marks i.e., two marks each question.
- (c) Rest of the paper shall contain four Units for descriptive questions. Each Unit shall have two questions and the students shall be given internal choice i.e. the students shall attempt one question from each Unit.
- (d) All questions/Units will carry equal marks.
- (e) Private candidates and the students of the Centre for Distance and Online Education (CDOE) are not allowed to take this subject.
- (f) The University paper shall be set in three languages i.e., English, Punjabi and Hindi.

#### UNIT-I

12 Marks

Entire syllabus given in the Units II to V will be covered to set six short answer type questions in first question/Unit of the question paper which is compulsory.

#### UNIT-II

12 Marks

#### Cell:

- Meaning and definition of Anatomy & Physiology, Structure and Functions of a cell.

#### Skeletal System :

- Meaning and functions of skeletal system.
- Types of Bones and names of various bones of the body.

#### Muscular System :

- Introduction of Muscular system, structure and function of muscular system.
- Effect of short and long duration physical Exercise on the muscular system.



**PHYSICAL EDUCATION****B.A. / B.Sc. (GENERAL) SIXTH SEMESTER EXAMINATION (2023-24)**

Time : 3 Hrs.

Max. Marks	:	65
Theory	:	60 marks
Internal Assessment	:	05 marks

**INSTRUCTIONS FOR THE PAPER-SETTER AND STUDENTS:**

- There shall be nine questions in all, spread over Five Units.
- First question/Unit is compulsory. It will contain six short answer type questions, spread over the whole syllabus to be answered in brief. It will carry 12 marks.
- Rest of the paper shall contain four units for descriptive questions. Each unit shall have two questions and the students shall be given internal choice i.e. the students shall attempt one question from each unit.
- All questions/units will carry equal marks.
- Private candidates and the students of the Centre for Distance and Online Education will not be allowed to take this subject.

**UNIT-I****12 Marks**

Entire syllabus given in the Unit-II to V will be covered to set six short answer type questions in first question/unit of the question paper which is compulsory.

**UNIT-II****12 Marks****Nervous System:**

- Meaning of Nervous System
- Main organs of Nervous System and their functions.
- Reflex action and Reciprocal Innervations.
- Functional classification of Nervous System.

**Excretory System:**

- Meaning of Excretory System.
- Main organs of Excretory System and their structure and functions.

**Endocrine System:**

- Meaning of **Endocrine System**.
- Meaning of Glands, their location and functions/Hormones produced by them.

**PHYSICAL EDUCATION**  
**B.A. (GENERAL) FOURTH SEMESTER EXAMINATION, 2023-2024**

Max. Marks	:	65
Theory	:	60 marks
Internal Assessment	:	05 marks
Time	:	3 Hrs.

**INSTRUCTIONS FOR THE PAPER-SETTER AND STUDENTS :**

- (i) There shall be nine questions in all, spread over five units.
- (ii) First question/unit is compulsory. It will contain six short answer type questions, spread over the whole syllabus to be answered in brief. It will carry 12 marks.
- (iii) Rest of the paper shall contain four units for descriptive questions. Each unit shall have two questions and the students shall be given internal choice i.e. the students shall attempt one question from each unit.
- (iv) All questions/units will carry equal marks.
- (v) Private candidates and the students of the Centre for Distance and Online Education (CDOE) will not be allowed to take this subject.

**UNIT-I**

12 Marks

Entire syllabus given in the Units II to V will be covered to set six short answer type questions in first question/unit of the question paper which is compulsory.

**UNIT-II**

12 Marks

**Respiratory System :**

- Meaning of Respiration, types of Respiration, Organs of the Respiratory System.
- Functions of the Respiratory System. Vital capacity and its measurement.
- Mechanism and Neural Control of Respiration.

**Digestive System :**

- Meaning, Importance and Organs of Digestive System.
- Functions, processes, mechanism and nerve regulators of Digestive System.

**PRACTICAL**

<b>Max. Marks</b>	: 35
<b>Practical</b>	: 30
<b>Internal Assessment</b>	: 05

**GAMES**

Basketball or Ball badminton and any other one game of the choice of the student.

**Basketball**

- (a) Measurements (Basket ball ground).
- (b) Number of players and officials.
- (c) Rules and Regulations of the game.
- (d) Fundamental and basic skills.

**Football**

- (a) Measurements (Field & ball).
- (b) Number of players and officials.
- (c) Rules and Regulations of the game.
- (d) Fundamental Skills.

**Division of Practical Marks:** Marks for each activity shall be divided as under:

Game 10 marks, participation and achievement in sports/games 5 marks, Physical fitness 5 marks, viva voce/practical file 10 marks and internal assessment 5 marks based on overall performance of a student during the current semester which will be assessed by the teacher concerned.

**Note:**

1. 12 periods per week (6 periods each for theory and practical) shall be allotted to a class.
2. The theory and practical class shall consist of 60-80 students and 30-40 students respectively.
3. The theory and practical papers shall consist of 65 and 35 marks each.
4. As per the Panjab University Calendar, Chapter XIX (Page 324) Volume III, 1990, the maximum teaching work load for an Assistant Professor in Physical Education for B.A. Pass Course is 24 periods per week, which includes theory as well as practical.
5. The choice of games by the students shall be confined to games approved by the Association of Indian Universities.
6. A student is required to prepare a practical notebook of a game given in the syllabus and any one game of choice.

**Mandatory Instructions for the Colleges:****1. Admission Criteria:**

- (i) Any student opting to have Physical Education as an Elective Subject irrespective of the background of the students (sports or non-sports students) must appear in the physical fitness test. Ranking should be prepared and the top 60-80 students should be offered this subject.
- (ii) This subject should be offered to the normal students (not to disabled one).
- (iii) To measure Physical Fitness through Cardiovascular Fitness Test, Cooper's 9 Minutes or 12 Minutes Run-Walk Test should be conducted.
- (iv) The date of Physical Fitness Test must be mentioned in the prospectus of the College.



**PRACTICAL**

Max. Marks	: 35
Practical	: 30 marks
Internal Assessment	: 05 marks

**Games :**

**Note :** Volleyball or Kabaddi (NS) and any one game of the choice of the student (other than the two) which should be confined to the list of games approved by the Association of Indian Universities.

**Volleyball**

- Measurements (volleyball court, net, poles, antenna and ball).
- Number and position of players and officials.
- Types of service (under arm service, side arm service and tennis service).
- Types of passes (under hand and over head pass).
- Rules of the game.

**OR****Kabaddi (NS)**

- Measurements (Kabaddi court for men and women).
- Number of players and officials.
- Fundamental offensive skills, touching with hand, leg thrust, front kick, side kick, Mule kick, jump and dive counter.
- Defensive Skill (wrist catch, normal grip, ankle catch, knee catch and chain formation).
- Tactics : (a) getting bonus point (b) counter to bonus line crossing (c) Delaying tactics for getting Iona.

**Physical Fitness Tests :** More emphasis shall be given on general physical fitness and principles of physical exercises (Speed and agility).

**Test 1 SPEED : 50 mts dash test.**

**Test 2 AGILITY : Shuttle run test.**

**Division of Practical Marks :**

*Marks for each activity shall be divided as under :* Games 15 marks, participation and achievement in sports/games 5 marks, Physical fitness 5 marks, viva voce 5 marks and internal assessment 5 marks based on overall performance of a student during the current academic session which will be assessed by the teacher concerned.

- Note :**
- The choice of games by the students shall be confined to the list of games approved by the Association of Indian Universities.
  - 12 periods per week (6 periods for theory and 6 periods for practicals) shall be allotted to a Teacher/class semester.
  - The theory and practical class shall consist of 60-80 students and 30-40 students respectively.
  - The theory (Paper) shall consist of 65 marks and practical paper shall consist of 35 marks in each semester.
  - A student shall be given a project work related with athletics.

**PRACTICAL**

**Max Marks : 35**  
**Practical : 30**  
**Internal assessment : 5**

**GAMES**

(Badminton or Hockey and any other one game of the choice of the student).

**Badminton:**

- (a) Measurement (Badminton Court, Net, Racket and Shuttle cock) for singles and doubles.
- (b) Number of players and officials.
- (c) Holding the racket and shuttle cock.
- (d) Types of Service: High and Low.
- (e) Types of Strokes: fore hand, back hand, over head.
- (f) Shots: Smash, Lob shot, net shot, dive shot.
- (g) Rules and regulations of the game.

**Hockey :**

- (a) Measurements (Hockey ground, goalpost, hockey stick, ball and flags) for men and women.
- (b) Number and position of players and officials.
- (c) Fundamental skills (grip, hitting, stopping dribbling, push, scoop and flick).
- (d) Rules and regulations of the game.

**Division of Practical Marks:**

Marks for each activity shall be divided as under:

Game 10 marks, participation and achievement in sports/games 5 marks, Physical fitness 5 marks, viva voce/practical file 10 marks and internal assessment 5 marks based on overall performance of a student during the current semester which will be assessed by the teacher concerned.

**Note:**

1. 12 periods per week (6 periods each for theory and practical) shall be allotted to a class.
2. The theory and practical class shall consist of 60-80 students and 30-40 students respectively.
3. The theory and practical papers shall consist of 65 and 35 marks each.
4. As per the Panjab University Calendar, Chapter XIX (Page 324) Volume III, 1990, the maximum teaching work load for an Assistant Professor in Physical Education for B.A. Pass Course is 24 periods per week, which includes theory as well as practical.
5. The choice of games by the students shall be confined to games approved by the Association of Indian Universities.
6. A student is required to prepare a practical notebook of a game given in the syllabus and any one game of choice.