# JADUAL SPESIFIKASI UJIAN (JSU) FIZIK TINGKATAN 5

| Soalan | Tema | Bidang Pembelajaran | Standard Kandungan | PF01 Mengingat | | | KF01 Memahami | | | KF02 Mengaplikasi | | | KF03 Menganalisis | | | KF03 Menilai | | | KF03 Mencipta | | | JUMLAH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T |
| **Tingkatan 4** | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tema 1 Asas Fizik | 1.0 Pengukuran | 1.1 Kuantiti Fizik | | 1 | | | 2 | | | | | | | | | | | | | | 1 | 1 | |
| | | | 1.2 Penyiasatan Saintifik | | | | | | | | | | | | | | | | | | | | | |
| | Tema 2 Mekanik Newton | 2.0 Daya dan Gerakan I | 2.1 Gerakan Linear | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.2 Graf Gerakan Linear | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.3 Gerakan Jatuh Bebas | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.4 Inersia | 3 | | | | | | | | | | | | | | | | | | 1 | | |
| | | | 2.5 Momentum | | | | | 4 | | | | | | | | | | | | | | | 1 | |
| | | | 2.6 Daya | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.7 Impuls dan Daya Impuls | | | | | 5 | | | | | | | | | | | | | | | 1 | |
| | | | 2.8 Berat | | | | | | | | | | | | | | | | | | | | | |
| | | 3.0 Kegravitian | 3.1 Hukum Kegravitian Semesta Newton | | | | | | | | 7 | 8 | | | | | | | | | | | 1 | 1 |
| | | | 3.2 Hukum Kepler | | | | | 6 | | | | | | | | | | | | | | | 1 | |
| | | | 3.3 Satelit Buatan Manusia | | | | | | | | | | | | | | | | | | | | | |
| | Tema 3 Haba | 4.0 Haba | 4.1 Keseimbangan Terma | | | | 9 | | | | | | | | | | | | | | | 1 | | |
| | | | 4.2 Muatan Haba Tentu | | | | | | | | 11 | | | | | | | | | | | | 1 | |
| | | | 4.3 Haba Pendam Tentu | | 10 | | | | | | | | | | | | | | | | | | 1 | |
| | | | 4.4 Hukum Gas | | | | | 12 | | | | | | | | | | | | | | | 1 | |
| | Tema 4 Gelombang, Cahaya dan Optik | 5.0 Gelombang | 5.1 Asas Gelombang | | 13 | | | | 15 | 14 | | | | | | | | | | | | 1 | 1 | 1 |
| | | | 5.2 Pelembapan dan Resonans | | | | | | | | | | | | | | | | | | | | | |
| | | | 5.3 Pantulan gelombang | | | | | | | | | | | | | | | | | | | | | |
| | | | 5.4 Pembiasan gelombang | | | | | | | | | | | | | | | | | | | | | |
| | | | 5.5 Pembelauan gelombang | | | | | | | | | | | | | | | | | | | | | |
| | | | 5.6 Interferens gelombang | | | | | 16 | | | | | | | | | | | | | | | 1 | |
| | | | 5.7 Gelombang Elektromagnet | | | | | | | | | | | | | | | | | | | | | |
| | | 6. Cahaya dan Optik | 6.1 Pembiasan Cahaya | | 17 | | | | | | 18 | | | | | | | | | | | | 2 | |
| | | | 6.2 Pantulan Dalam Penuh | | | | | | | | | | | | | | | | | | | | | |
| | | | Pembentukan Imej oleh Kanta | | | | | | | | | | | | | | | | | | | | | |
| | | | 6.4 Formula Kanta Nipis | | | | | | | | | | | | | | | | | | | | | |
| | | | 6.5 Peralatan Optik | | | | | | | | | | | | | | | | | | | | | |
| | | | 6.6 Pembentukan Imej oleh Cermin Sfera | | | | | 19 | | | | | | | | | | | | | | | 1 | |
| **Tingkatan 5** | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1.0 Daya dan Gerakan II | 1.1 Daya Paduan | | | | | 20 | | | 21 | | | | | | | | | | | | 2 | |
| | | | 1.2 Leraian Daya | | | | | | | | | | | | | | | | | | | | | |
| | | | 1.3 Keseimbangan Daya | | | | | | | | | | | | | | | | | | | | | |
| | | | 1.4 Kekenyalan | | | | | 22 | | | | | | 23 | | | | | | | | | 2 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tema 1<br>Mekanik Newton | 2.0 Tekanan | 2.1 Tekanan Cecair | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.2 Tekanan Atmosfera | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.3 Tekanan Gas | | | | | | | | 24 | | | | | | | | | | | | | | 1 | |
| | | | 2.4 Prinsip Pascal | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.5 Prinsip Archimedes | | | | | | | | 25 | | | | | | | | | | | | | | 1 | |
| | | | 2.6 Prinsip Bernoulli | | | | | | | | | | | | | | | | | | | | | | | |
| | Tema 2<br>Elektrik dan<br>Keelektromagnetan | 3.0 Elektrik | 3.1 Arus dan Beza Keupayaan | | 26 | | | | | | 27 | | | | | | | | | | | | | | 2 | |
| | | | 3.2 Rintangan | | | | | 28 | | | | | | | | | | | | | | | | | 1 | |
| | | | 3.3 Daya Gerak Elektrik (d.g.e.) dan Rintangan Dalam | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3.4 Tenaga dan Kuasa Elektrik | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4.0 Keelektromagnetan | 4.1 Daya ke Atas Konduktor Pembawa Arus dalam suatu Medan Magnet | | | | | 29 | | | | | | | | | | | | | | | | | 1 | |
| | | | 4.2 Aruhan Elektromagnet | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4.3 Transformer | | | | | 30 | 31 | | | | | | | | | | | | | | | | 1 | 1 |
| | Tema 3<br>Fizik Gunaan | 5.0 Elektronik | 5.1 Elektron | | | | | 32 | | | | | | | | | | | | | | | | | 1 | |
| | | | 5.2 Diod Semikonduktor | | | | | | | | | | 33 | | | | | | | | | | | | 1 | |
| | | | 5.3 Transistor | | | | | | 34 | | | | | | | | | | | | | | | | | 1 |
| | | 6.0 Fizik nuklear | 6.1 Reputan Radioaktif | | | | | | | | 35 | | | | | | | | | | | | | | 1 | |
| | | | 6.2 Tenaga Nuklear | | | | | | | | | 36 | | 37 | | | | | | | | | | | 1 | 1 |
| | Tema 4<br>Fizik Moden | 7.0 Fizik Kuantum | 7.1 Teori Kuantum Cahaya | | | | | | | | | | | | | 38 | | | | | | | | | 1 | |
| | | | 7.2 Kesan Fotoelektrik | | | | | 39 | | | | | | | | | | | | | | | | | 1 | |
| | | | 7.3 Teori Fotoelektrik Einstein | | | | | | | | 40 | | | | | | | | | | | | | | 1 | |
| **JUMLAH ITEM BAGI SETIAP KONSTRUK** | | | | **6** | | | **18** | | | **12** | | | **3** | | | **1** | | | **0** | | | **40** | | | |

| **JUMLAH ARAS KESUKARAN** | **RENDAH** | **SEDERHANA** | **TINGGI** |
|---|---|---|---|
| | **4** | **31** | **5** |

## KERTAS 2

| Soalan | Topik/Subtopik | PF01 Mengingat | | | KF01 Memahami | | | KF02 Mengaplikasi | | | KF03 Menganalisis | | | KF04 Menilai | | | KF05 Mencipta | | | Aras Kesukaran | | | Jumlah Markah |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T | R | S | T | |
| **Bahagian A** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | BAB 13: FIZIK KUANTUM | 1 | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | 4 |
| 2 | BAB 2 : DAYA DAN GERAKAN I | | 1 | | | | | | 2 | 2 | | | | | | | | | | | | | 5 |
| 3 | BAB 4: HABA | | 1 | | | 1 | | | 2 | 2 | | | | | | | | | | | | | 6 |
| 4 | BAB 9: ELEKTRIK | 1 | 1 | 2 | | 3 | 2 | | | | | | | | | | | | | | | | 9 |
| 5 | BAB 5: GELOMBANG | 1 | 1 | 1 | | 2 | | | | | 3 | | 1 | | | | | | | | | | 9 |
| 6 | BAB 12: FIZIK NUKLEAR | 1 | | 1 | 1 | | 1 | | | | 4 | | 1 | | | | | | | | | | 9 |
| 7 | BAB 6: CAHAYA DAN OPTIK | 1 | | | | | | 2 | 2 | | | | | | | | 2 | 2 | | | | | 9 |
| 8 | BAB 10: ELEKTROMAGNET | 1 | | | | | | 2 | | | | | | 3 | 3 | | | | | | | | 9 |
| **Bahagian B** | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | BAB 4: HABA | 1 | | | 2 | 1 | 1 | 2 | 1 | 2 | | | | 4 | 4 | 2 | | | | | | | 20 |
| 10 | BAB 9: ELEKTRIK | | 1 | | | | | 2 | 2 | | | | | 7 | 6 | 2 | | | | | | | 20 |
| **Bahagian C** | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | BAB 5: GELOMBANG | | 1 | | 3 | 1 | 1 | 2 | 2 | | | | | | | | 4 | 2 | 4 | | | | 20 |
| **JUMLAH** | | **17** | | | **20** | | | **29** | | | **9** | | | **31** | | | **14** | | | **0** | **0** | **0** | **120** |